Test Report No. 64.165.23.03545.01A
Rev. 00
Dated 2023-09-21

Applicant:	Guang Dong Xinbao Electrical Appliances Holdings Co.,Ltd.
Address:	Zhenghe South Road, Leliu Town, Shunde district, Foshan City, Guangdong, China.
Manufacturer:	Foshan City Shunde District Donlim Intelligent Electrical Appliances Technology Co., Ltd.
Address:	NO.26 Shunye East Road, Xingtan Town, Shunde District, Foshan City
Sample Description:	Coffee Maker
Model No.:	CM9002E-GS
Sample Received Date:	2023-07-31,2023-08-28,2023-09-13
Test Period:	From 2023-07-31 to 2023-09-20.
Purpose of examination:	As specified by client, to test as regulated by the German Food & Feed Acts LFGB § (30 & 31) and Regulation (EC) No.1935/2004.
Test Result:	Refer to following page(s)
Remark:	1. The result relates only to the items tested. 2. The testing approach, the testing methods, and the reported results in this report demonstrate compliance or non-compliance to the client's requirements which were mutually agreed at the contract review and stipulated in the quotation. The testing approach, the testing methods, and the reported results may not or only partially fulfil the associated requirements of the applicable regulations. 3. The data and photo of sample 013~018/020/032/034/036~040/043/044/046/049/050/051/054/055 were transferred from that of sample 013~018/020/032/034/036~040/043/044/046/049/050/051/054/055 in technical report no. 64.165.22.03587.01A Rev.00. issued on 2023-02-14. 4. The data and photo of sample 012 was transferred from that of sample 010 in technical report no. 64.165.23.02255.01 Rev.00. issued on 2023-07-19.

TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch
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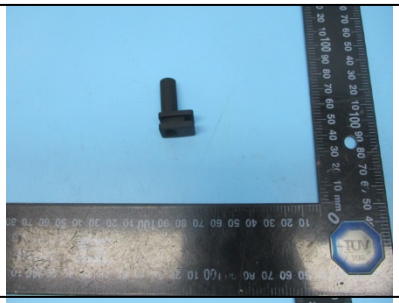
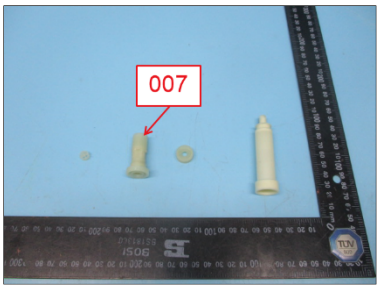
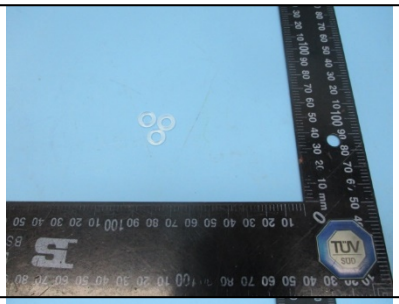
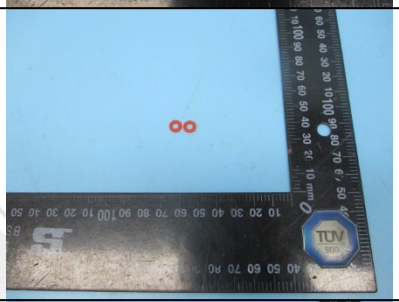
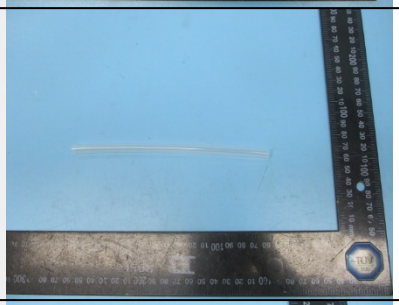
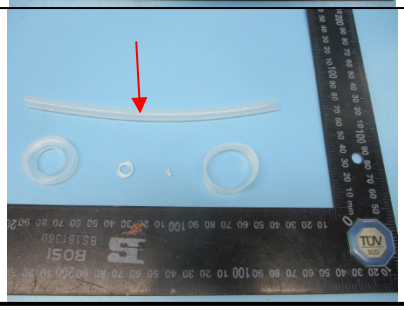
SUMMARY OF TEST RESULTS

Test Requested	Conclusion	Remarks
For material: Plastics Test for compliance with regulation (EU) No. 10/2011 and its amendments (EU) No. 2016/1416, (EU) No. 2017/752, (EU) No. 2018/79 , (EU) No 284/2011, (EU) No. 2018/213, (EU) No. 2020/1245, (EU) No. 2023/1442, Recommendation of BfR "Kunststoffe im Lebensmittelverkehr". 1. Overall Migration 2. Specific Migration of 19 Heavy Metals 3. Specific Migration of Primary Aromatic Amine 4. Volatile Organic Components 5. Total Zinc, Boron and Fluorine content 6. Total Heavy Metals (Sb, Ga, Ge, Co, Li, Mn, Zn, Ti, Pb, P) content 7. Specific Migration of Formaldehyde 8. Total 1,3-Butadiene content 9. Specific Migration of Acrylonitrile 10. Specific Migration of 1,3-Butadiene 11. Specific Migration of Hexamethylenediamine 12. Specific Migration of Terephthalic Acid 13. Specific Migration of Tetrafluoroethylene 14. Total Chromium, Vanadium, Zirconium and Hafnium content	**PASS**	/
For material: Silicone Test for compliance with Resolution AP (2004)5, Recommendation of BfR "Kunststoffe im Lebensmittelverkehr" Part XV "Silicones". 15. Overall migration 16. Extractable components 17. Remaining Peroxide 18. Volatile Organic Matters 19. Total Platinum content	**PASS**	/
For material: Rubber Test for compliance with Resolution AP (2004)4, Recommendation of BfR "Kunststoffe im Lebensmittelverkehr" Part XXI/1 "Commodities based on natural and synthetic rubber in contact with food". 20. Overall migration 21. Specific Migration of Primary Aromatic Amine 22. Specific Migration of Formaldehyde 23. Specific migration of Aluminium, Zinc and Lead 24. Specific Migration of N-nitrosamines and N-	**PASS**	/

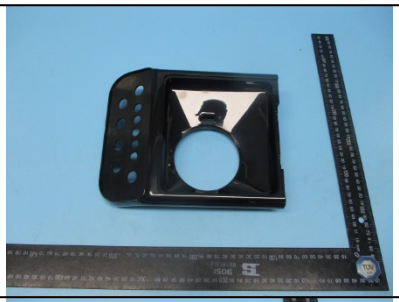
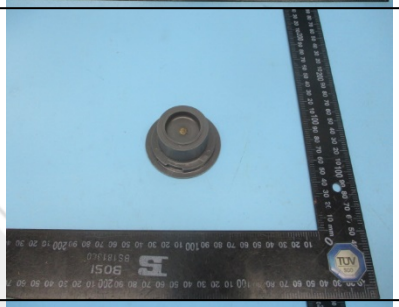
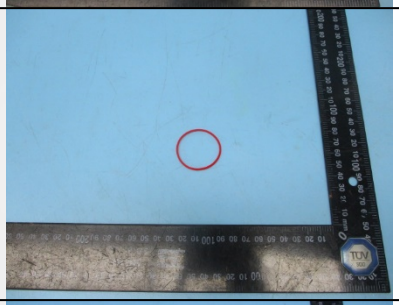
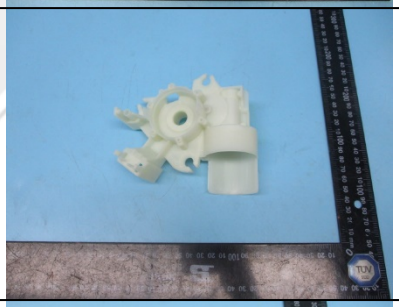
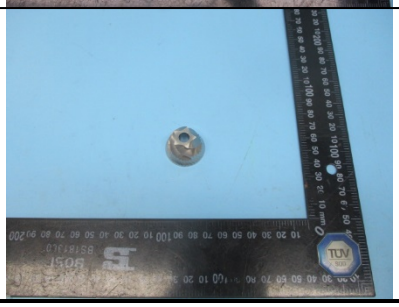
Test Requested	Conclusion	Remarks
nitrosatable substances		
For material: Metal and Metal alloy Test for compliance with European Directorate for the Quality of Medicines & Healthcare Technical guide Resolution CM/Res (2013)9. 25. Specific Migration of 21 Heavy Metals	**PASS**	/
Sensory test 26. Sensory test with reference to DIN 10955: 2023	**PASS**	/

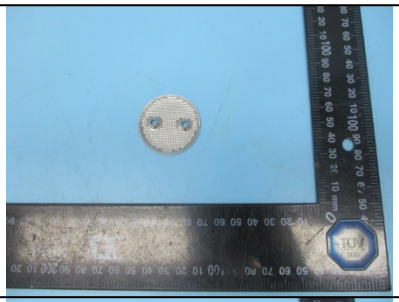
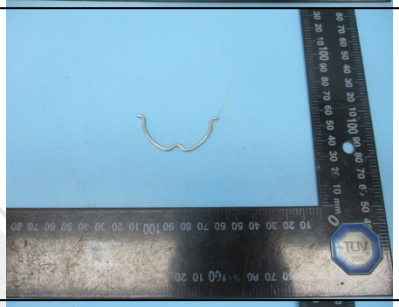
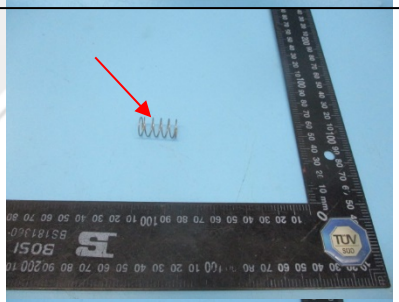
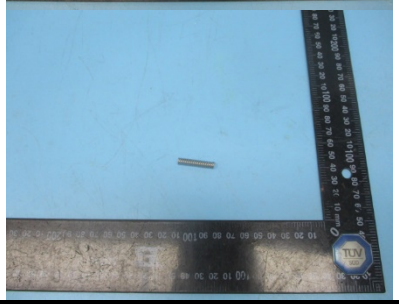
1. TESTED SUBJECT DESCRIPTION

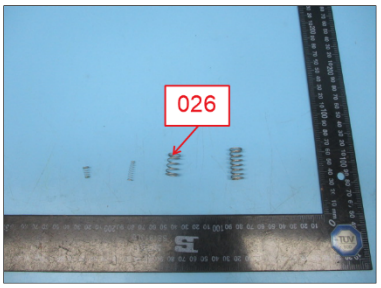
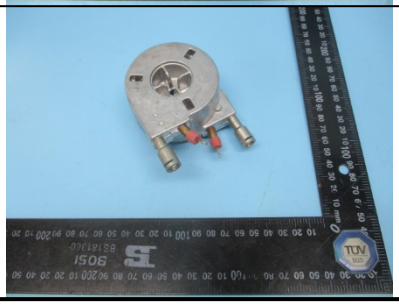
Test material	Sample Number	Tested Material Description	Photo
T1	**001**	Black silicone seal ring	
T2	**003**	Black silicone seal ring	
T3	**004**	Black silicone seal ring	
T4	**006**	Black silicone seal ring	
T5	**007**	Primitive plastic valve body (PA66 A3WG6)	

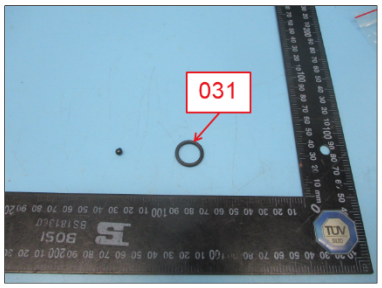
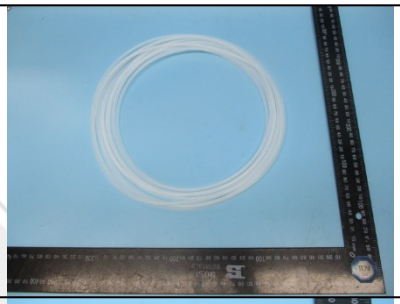
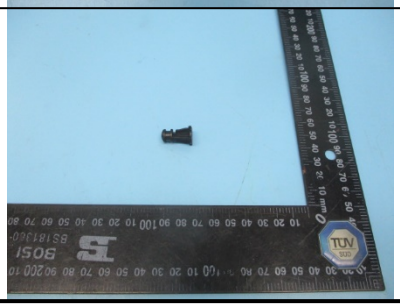
Test material	Sample Number	Tested Material Description	Photo
T6	**008**	Transparence silicone real ring	
T7	**009**	Red silicone seal ring	
T8	**010**	Transparence silicone tube	
T9	**011**	Transparent silicone seal ring	
T10	**012**	Transparent silicone	

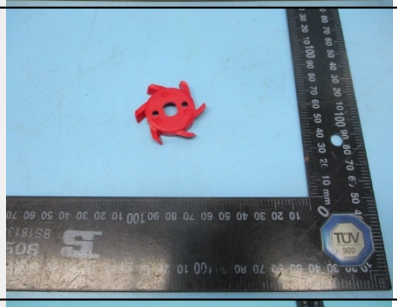
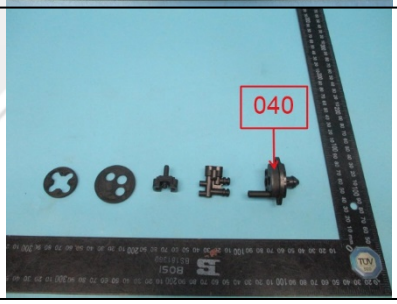
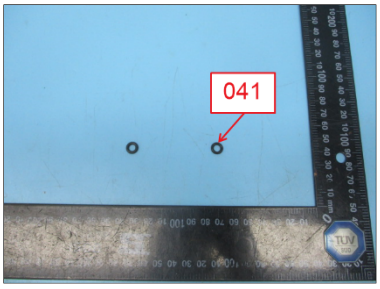
Test material	Sample Number	Tested Material Description	Photo
T11	**013**	Black plastic push pole (PA66-G30 NC011)	
T12	**014**	Black plastic brewing head (POM F20-03)	
T13	**015**	Black plastic connector (POM F20-03))	
T14	**016**	Black plastic box bracket (POM F20-03)	
T15	**017**	Black plastic box (ABS 750SW）	

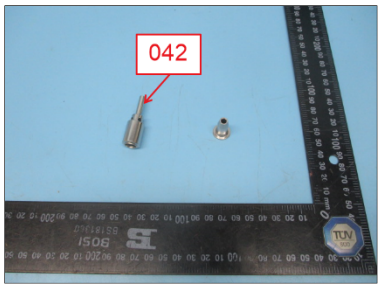
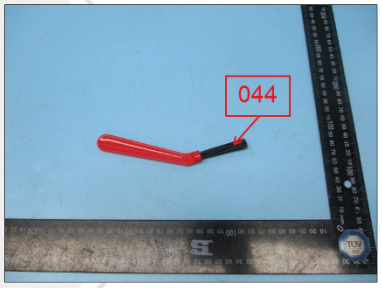
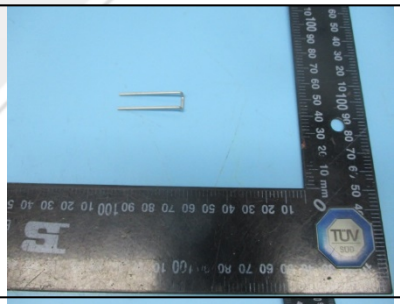
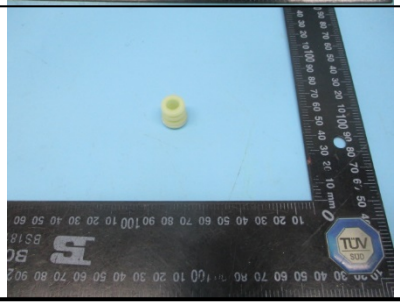
Test material	Sample Number	Tested Material Description	Photo
			
T16	**018**	Grey plastic holder (PA66 R513H)	
T17	**019**	Red silicone seal ring	
T18	**020**	Beige plastic bracket (PA66 HTG33NC)	
T19	**021**	Silvery metal knife （SUS420）	

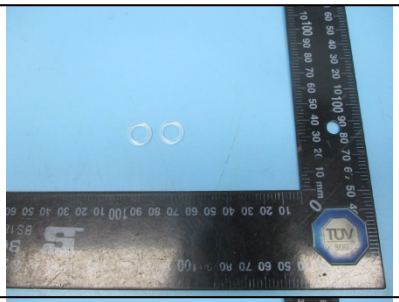
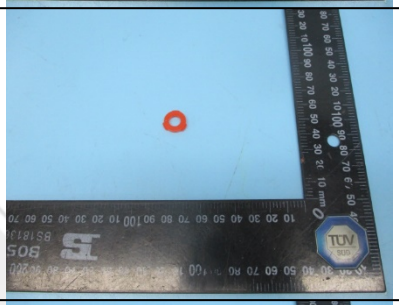
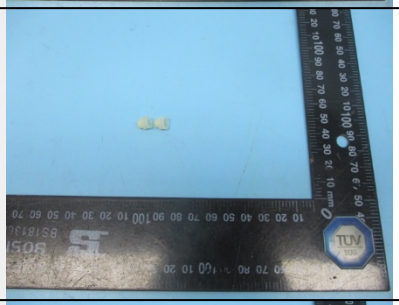
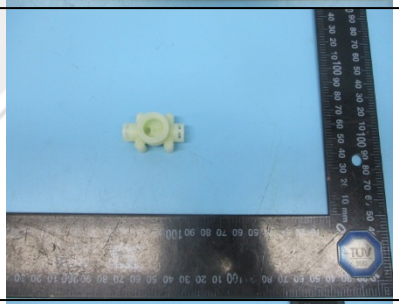
Test material	Sample Number	Tested Material Description	Photo
T20	**022**	Silvery metal filter (SUS304)	
T21	**023**	Silvery metal handle (SUS304)	
T22	**024**	Silvery metal washer (SUS304)	
T23	**025**	Silvery metal spring (SUS304)	 

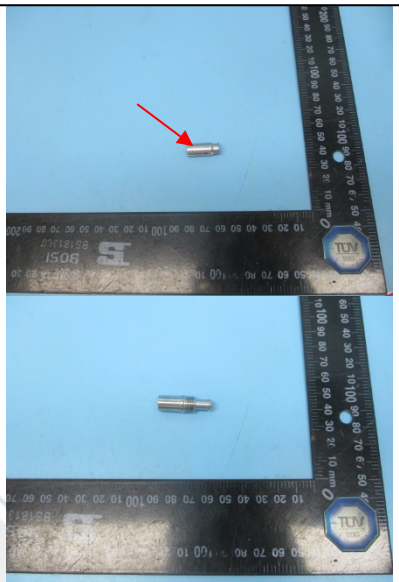
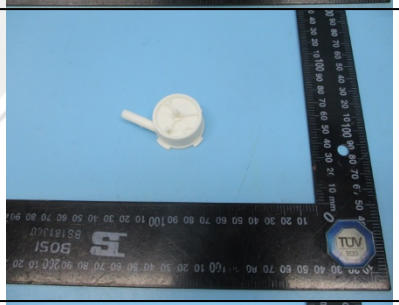
Test material	Sample Number	Tested Material Description	Photo
T24	**026**	Silvery metal Spring (SUS304)	
T25	**027**	Silvery metal part (SUS304)	
T26	**028**	Silvery metal plate (SUS304)	
T27	**029**	Silvery metal filter (SUS304)	
T28	**030**	Silvery metal asm (ADC12)	

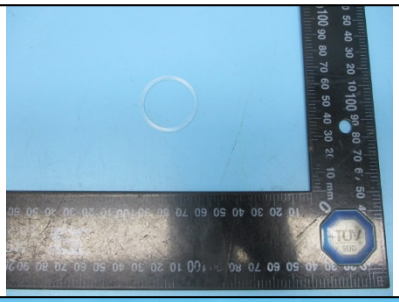
Test material	Sample Number	Tested Material Description	Photo
T29	**031**	Black soft O-ring (EPDM)	
T30	**032**	White plastic tube (PTFE)	
T31	**033**	Primitive plastic plunger (PFA)	
T32	**034**	Black plastic passage (POM F20-03)	
T33	**036**	Black plastic back valve (PP HJ730L)	

Test material	Sample Number	Tested Material Description	Photo
T34	**037**	Black plastic mouth(PP HJ730L)	
T35	**038**	Transparent grey plastic tank (AS 552485)	
T36	**039**	Red plastic powder plate (PA66 70G43L)	
T37	**040**	Black plastic inner cover(PA66 70G43L)	
T38	**041**	Black soft O-ring (FPM)	

Test material	Sample Number	Tested Material Description	Photo
T39	**042**	Silvery metal movable core (JL-31B)	
T40	**043**	Black plastic connector (PP HJ 730L+30%GF)	
T41	**044**	Black plastic broom head (PA66)	
T42	**045**	Silvery metal spring (SUS304)	
T43	**046**	Beige plastic valve (PA66 70G43L)	

Test material	Sample Number	Tested Material Description	Photo
T44	**047**	Transaprent silicone mouth seal ring	
T45	**048**	Red silicone plunger	
T46	**049**	Beige plastic part (PA66)	
T47	**050**	Beige palstic valve (PA66)	
T48	**051**	Black rubber seal ring (FPM)	

Test material	Sample Number	Tested Material Description	Photo
T49	**052**	Silvery metal spring (JL-31B)	
T50	**053**	Silvery metal tube (SUS304)	
T51	**054**	White plastic body (PBT)	
T52	**055**	Beige plastic turner (POM)	

Test material	Sample Number	Tested Material Description	Photo
T53	**056**	Transparent silicone ring	
T54	**057**	End product	

2. TEST RESULT

2.1. OVERALL MIGRATION TEST FOR PLASTICS

Test method: As specified in Regulation (EU) No. 10/2011 and its amendments; with reference to EN 1186-1: 2002, EN 1186-2: 2022, EN 1186-3: 2022, EN 1186-13: 2002.

Surface area to Volume ratio: 10dm^2 : 1000ml

Simulant Used	Test Condition	Result [mg/dm²]			Requirement [mg/dm²]
		Sample 007			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
20% Ethanol	70 °C for 2 hours	4.5	< 3.0	< 3.0	≤ 10

Simulant Used	Test Condition	Result [mg/dm²]			Requirement [mg/dm²]
		Sample 013			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
20% Ethanol	100 °C for 2 hours	4.6	< 3.0	< 3.0	≤ 10

Simulant Used	Test Condition	Result [mg/dm²]			Requirement [mg/dm²]
		Sample 014			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
20% Ethanol	100 °C for 2 hours	< 3.0	< 3.0	< 3.0	≤ 10

Simulant Used	Test Condition	Result [mg/dm²]			Requirement [mg/dm²]
		Sample 015			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
20% Ethanol	100 °C for 2 hours	< 3.0	< 3.0	< 3.0	≤ 10

Simulant Used	Test Condition	Result [mg/dm²]			Requirement [mg/dm²]
		Sample 016			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
MPPO	40 °C for 10 days	< 3.0	< 3.0	< 3.0	≤ 10

Simulant Used	Test Condition	Result [mg/dm²]			Requirement [mg/dm²]
		Sample 017			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
50% Ethanol	40 °C for 10 days	< 3.0	< 3.0	< 3.0	≤ 10
MPPO	40 °C for 10 days	< 3.0	< 3.0	< 3.0	≤ 10

Simulant Used	Test Condition	Result [mg/dm²]			Requirement [mg/dm²]
		Sample 018			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
MPPO	40 °C for 10 days	< 3.0	< 3.0	< 3.0	≤ 10

Simulant Used	Test Condition	Result [mg/dm²]			Requirement [mg/dm²]
		Sample 020			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
MPPO	40 °C for 10 days	< 3.0	< 3.0	< 3.0	≤ 10

Simulant Used	Test Condition	Result [mg/dm²]			Requirement [mg/dm²]
		Sample 032			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
20% Ethanol	100 °C for 2 hours	< 3.0	< 3.0	< 3.0	≤ 10

Simulant Used	Test Condition	Result [mg/dm²]			Requirement [mg/dm²]
		Sample 033			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
20% Ethanol	70 °C for 2 hours	< 3.0	< 3.0	< 3.0	≤ 10

Simulant Used	Test Condition	Result [mg/dm²]			Requirement [mg/dm²]
		Sample 034			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
MPPO	40 °C for 10 days	< 3.0	< 3.0	< 3.0	≤ 10

Simulant Used	Test Condition	Result [mg/dm²]			Requirement [mg/dm²]
		Sample 036			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
20% Ethanol	40 °C for 10 days	< 3.0	< 3.0	< 3.0	≤ 10

Simulant Used	Test Condition	Result [mg/dm²]			Requirement [mg/dm²]
		Sample 037			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
20% Ethanol	100 °C for 2 hours	< 3.0	< 3.0	< 3.0	≤ 10

Simulant Used	Test Condition	Result [mg/dm²]			Requirement [mg/dm²]
		Sample 038			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
50% Ethanol	40 °C for 10 days	< 3.0	< 3.0	< 3.0	≤ 10

Simulant Used	Test Condition	Result [mg/dm²]			Requirement [mg/dm²]
		Sample 039			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
MPPO	40 °C for 10 days	< 3.0	< 3.0	< 3.0	≤ 10

Simulant Used	Test Condition	Result [mg/dm²]			Requirement [mg/dm²]
		Sample 040			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
20% Ethanol	100 °C for 2 hours	8.1	3.2	< 3.0	≤ 10

Simulant Used	Test Condition	Result [mg/dm²]			Requirement [mg/dm²]
		Sample 043			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
20% Ethanol	40 °C for 10 days	< 3.0	< 3.0	< 3.0	≤ 10

Simulant Used	Test Condition	Result [mg/dm²]			Requirement [mg/dm²]
		Sample 044			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
MPPO	70 °C for 2 hours	< 3.0	< 3.0	< 3.0	≤ 10

Simulant Used	Test Condition	Result [mg/dm²]			Requirement [mg/dm²]
		Sample 046			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
20% Ethanol	70 °C for 2 hours	< 3.0	< 3.0	< 3.0	≤ 10

Simulant Used	Test Condition	Result [mg/dm²]			Requirement [mg/dm²]
		Sample 049			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
20% Ethanol	70 °C for 2 hours	< 3.0	< 3.0	< 3.0	≤ 10

Simulant Used	Test Condition	Result [mg/dm²]			Requirement [mg/dm²]
		Sample 050			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
20% Ethanol	100 °C for 2 hours	7.9	3.2	< 3.0	≤ 10

Simulant Used	Test Condition	Result [mg/dm²]			Requirement [mg/dm²]
		Sample 054			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
20% Ethanol	70 °C for 2 hours	< 3.0	< 3.0	< 3.0	≤ 10

Simulant Used	Test Condition	Result [mg/dm²]			Requirement [mg/dm²]
		Sample 055			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
20% Ethanol	70 °C for 2 hours	< 3.0	< 3.0	< 3.0	≤ 10

Note:

- "mg/dm²" denotes milligram per square decimeter.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

2.2. SPECIFIC MIGRATION OF 19 HEAVY METALS TEST FOR PLASTICS

Test method: As specified in Regulation (EU) No. 10/2011 and its amendments; the sample(s) were migrated with food simulant, followed by Inductively Coupled Plasma Mass Spectrometry (ICP-MS) analysis.

Testing condition and simulant: Distilled water at 70 °C for 2 hour (s).

Surface area to Volume ratio: 6dm^2 : 1000ml

Test Item		Result [mg/kg]			Requirement [mg/kg]
		Sample 007			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Barium	(Ba)	<0.10	<0.10	<0.10	≤ 1
Cobalt	(Co)	<0.05	<0.05	<0.05	≤ 0.05
Copper	(Cu)	<0.10	<0.10	<0.10	≤ 5
Iron	(Fe)	<0.10	<0.10	<0.10	≤ 48
Lithium	(Li)	<0.06	<0.06	<0.06	≤ 0.6
Manganese	(Mn)	<0.02	<0.02	<0.02	≤ 0.6
Zinc	(Zn)	<0.10	<0.10	<0.10	≤ 5
Aluminium	(Al)	<0.10	<0.10	<0.10	≤ 1
Nickel	(Ni)	<0.02	<0.02	<0.02	≤ 0.02
Antimony	(Sb)	<0.01	<0.01	<0.01	≤ 0.04
Arsenic	(As)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Cadmium	(Cd)	<0.002	<0.002	<0.002	Not Detected (< 0.002)
Chromium	(Cr)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lead	(Pb)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Mercury	(Hg)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lanthanum	(La)	<0.01	<0.01	<0.01	Sum ≤ 0.05
Europium	(Eu)	<0.01	<0.01	<0.01	
Gadolinium	(Gd)	<0.01	<0.01	<0.01	
Terbium	(Tb)	<0.01	<0.01	<0.01	

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

(Continued)

Testing condition and simulant: Distilled water at 100 °C for 2 hour (s).

Surface area to Volume ratio: 6dm² : 1000ml

Test Item		Result [mg/kg]			Requirement [mg/kg]
		Sample 013			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Barium	(Ba)	<0.10	<0.10	<0.10	≤ 1
Cobalt	(Co)	<0.05	<0.05	<0.05	≤ 0.05
Copper	(Cu)	<0.10	<0.10	<0.10	≤ 5
Iron	(Fe)	<0.10	<0.10	<0.10	≤ 48
Lithium	(Li)	<0.06	<0.06	<0.06	≤ 0.6
Manganese	(Mn)	<0.02	<0.02	<0.02	≤ 0.6
Zinc	(Zn)	<0.10	<0.10	<0.10	≤ 5
Aluminium	(Al)	<0.10	<0.10	<0.10	≤ 1
Nickel	(Ni)	<0.02	<0.02	<0.02	≤ 0.02
Antimony	(Sb)	<0.01	<0.01	<0.01	≤ 0.04
Arsenic	(As)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Cadmium	(Cd)	<0.002	<0.002	<0.002	Not Detected (< 0.002)
Chromium	(Cr)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lead	(Pb)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Mercury	(Hg)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lanthanum	(La)	<0.01	<0.01	<0.01	Sum ≤ 0.05
Europium	(Eu)	<0.01	<0.01	<0.01	
Gadolinium	(Gd)	<0.01	<0.01	<0.01	
Terbium	(Tb)	<0.01	<0.01	<0.01	

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

(Continued)

Testing condition and simulant: Distilled water at 100 °C for 2 hour (s).

Surface area to Volume ratio: 6dm² : 1000ml

Test Item		Result [mg/kg]			Requirement [mg/kg]
		Sample 014			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Barium	(Ba)	<0.10	<0.10	<0.10	≤ 1
Cobalt	(Co)	<0.05	<0.05	<0.05	≤ 0.05
Copper	(Cu)	<0.10	<0.10	<0.10	≤ 5
Iron	(Fe)	<0.10	<0.10	<0.10	≤ 48
Lithium	(Li)	<0.06	<0.06	<0.06	≤ 0.6
Manganese	(Mn)	<0.02	<0.02	<0.02	≤ 0.6
Zinc	(Zn)	<0.10	<0.10	<0.10	≤ 5
Aluminium	(Al)	<0.10	<0.10	<0.10	≤ 1
Nickel	(Ni)	<0.02	<0.02	<0.02	≤ 0.02
Antimony	(Sb)	<0.01	<0.01	<0.01	≤ 0.04
Arsenic	(As)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Cadmium	(Cd)	<0.002	<0.002	<0.002	Not Detected (< 0.002)
Chromium	(Cr)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lead	(Pb)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Mercury	(Hg)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lanthanum	(La)	<0.01	<0.01	<0.01	Sum ≤ 0.05
Europium	(Eu)	<0.01	<0.01	<0.01	
Gadolinium	(Gd)	<0.01	<0.01	<0.01	
Terbium	(Tb)	<0.01	<0.01	<0.01	

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

(Continued)

Testing condition and simulant: Distilled water at 100 °C for 2 hour (s).

Surface area to Volume ratio: 6dm² : 1000ml

Test Item		Result [mg/kg]			Requirement [mg/kg]
		Sample 015			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Barium	(Ba)	<0.10	<0.10	<0.10	≤ 1
Cobalt	(Co)	<0.05	<0.05	<0.05	≤ 0.05
Copper	(Cu)	<0.10	<0.10	<0.10	≤ 5
Iron	(Fe)	<0.10	<0.10	<0.10	≤ 48
Lithium	(Li)	<0.06	<0.06	<0.06	≤ 0.6
Manganese	(Mn)	<0.02	<0.02	<0.02	≤ 0.6
Zinc	(Zn)	<0.10	<0.10	<0.10	≤ 5
Aluminium	(Al)	<0.10	<0.10	<0.10	≤ 1
Nickel	(Ni)	<0.02	<0.02	<0.02	≤ 0.02
Antimony	(Sb)	<0.01	<0.01	<0.01	≤ 0.04
Arsenic	(As)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Cadmium	(Cd)	<0.002	<0.002	<0.002	Not Detected (< 0.002)
Chromium	(Cr)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lead	(Pb)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Mercury	(Hg)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lanthanum	(La)	<0.01	<0.01	<0.01	Sum ≤ 0.05
Europium	(Eu)	<0.01	<0.01	<0.01	
Gadolinium	(Gd)	<0.01	<0.01	<0.01	
Terbium	(Tb)	<0.01	<0.01	<0.01	

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

(Continued)

Testing condition and simulant: Distilled water at 40 °C for 10 day (s).

Surface area to Volume ratio: 6dm² : 1000ml

Test Item		Result [mg/kg]			Requirement [mg/kg]
		Sample 016			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Barium	(Ba)	<0.10	<0.10	<0.10	≤ 1
Cobalt	(Co)	<0.05	<0.05	<0.05	≤ 0.05
Copper	(Cu)	<0.10	<0.10	<0.10	≤ 5
Iron	(Fe)	<0.10	<0.10	<0.10	≤ 48
Lithium	(Li)	<0.06	<0.06	<0.06	≤ 0.6
Manganese	(Mn)	<0.02	<0.02	<0.02	≤ 0.6
Zinc	(Zn)	<0.10	<0.10	<0.10	≤ 5
Aluminium	(Al)	<0.10	<0.10	<0.10	≤ 1
Nickel	(Ni)	<0.02	<0.02	<0.02	≤ 0.02
Antimony	(Sb)	<0.01	<0.01	<0.01	≤ 0.04
Arsenic	(As)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Cadmium	(Cd)	<0.002	<0.002	<0.002	Not Detected (< 0.002)
Chromium	(Cr)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lead	(Pb)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Mercury	(Hg)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lanthanum	(La)	<0.01	<0.01	<0.01	Sum ≤ 0.05
Europium	(Eu)	<0.01	<0.01	<0.01	
Gadolinium	(Gd)	<0.01	<0.01	<0.01	
Terbium	(Tb)	<0.01	<0.01	<0.01	

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

(Continued)

Testing condition and simulant: Distilled water at 40 °C for 3 day (s).

Surface area to Volume ratio: 6dm² : 1000ml

Test Item		Result [mg/kg]			Requirement [mg/kg]
		Sample 017			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Barium	(Ba)	<0.10	<0.10	<0.10	≤ 1
Cobalt	(Co)	<0.05	<0.05	<0.05	≤ 0.05
Copper	(Cu)	<0.10	<0.10	<0.10	≤ 5
Iron	(Fe)	<0.10	<0.10	<0.10	≤ 48
Lithium	(Li)	<0.06	<0.06	<0.06	≤ 0.6
Manganese	(Mn)	<0.02	<0.02	<0.02	≤ 0.6
Zinc	(Zn)	<0.10	<0.10	<0.10	≤ 5
Aluminium	(Al)	<0.10	<0.10	<0.10	≤ 1
Nickel	(Ni)	<0.02	<0.02	<0.02	≤ 0.02
Antimony	(Sb)	<0.01	<0.01	<0.01	≤ 0.04
Arsenic	(As)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Cadmium	(Cd)	<0.002	<0.002	<0.002	Not Detected (< 0.002)
Chromium	(Cr)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lead	(Pb)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Mercury	(Hg)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lanthanum	(La)	<0.01	<0.01	<0.01	Sum ≤ 0.05
Europium	(Eu)	<0.01	<0.01	<0.01	
Gadolinium	(Gd)	<0.01	<0.01	<0.01	
Terbium	(Tb)	<0.01	<0.01	<0.01	

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

(Continued)

Testing condition and simulant: Distilled water at 40 °C for 10 day (s).

Surface area to Volume ratio: 6dm² : 1000ml

Test Item		Result [mg/kg]			Requirement [mg/kg]
		Sample 018			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Barium	(Ba)	<0.10	<0.10	<0.10	≤ 1
Cobalt	(Co)	<0.05	<0.05	<0.05	≤ 0.05
Copper	(Cu)	<0.10	<0.10	<0.10	≤ 5
Iron	(Fe)	<0.10	<0.10	<0.10	≤ 48
Lithium	(Li)	<0.06	<0.06	<0.06	≤ 0.6
Manganese	(Mn)	<0.02	<0.02	<0.02	≤ 0.6
Zinc	(Zn)	<0.10	<0.10	<0.10	≤ 5
Aluminium	(Al)	<0.10	<0.10	<0.10	≤ 1
Nickel	(Ni)	<0.02	<0.02	<0.02	≤ 0.02
Antimony	(Sb)	<0.01	<0.01	<0.01	≤ 0.04
Arsenic	(As)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Cadmium	(Cd)	<0.002	<0.002	<0.002	Not Detected (< 0.002)
Chromium	(Cr)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lead	(Pb)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Mercury	(Hg)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lanthanum	(La)	<0.01	<0.01	<0.01	Sum ≤ 0.05
Europium	(Eu)	<0.01	<0.01	<0.01	
Gadolinium	(Gd)	<0.01	<0.01	<0.01	
Terbium	(Tb)	<0.01	<0.01	<0.01	

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

(Continued)

Testing condition and simulant: Distilled water at 40 °C for 10 day (s).

Surface area to Volume ratio: 6dm² : 1000ml

Test Item		Result [mg/kg]			Requirement [mg/kg]
		Sample 020			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Barium	(Ba)	<0.10	<0.10	<0.10	≤ 1
Cobalt	(Co)	<0.05	<0.05	<0.05	≤ 0.05
Copper	(Cu)	<0.10	<0.10	<0.10	≤ 5
Iron	(Fe)	<0.10	<0.10	<0.10	≤ 48
Lithium	(Li)	<0.06	<0.06	<0.06	≤ 0.6
Manganese	(Mn)	<0.02	<0.02	<0.02	≤ 0.6
Zinc	(Zn)	<0.10	<0.10	<0.10	≤ 5
Aluminium	(Al)	<0.10	<0.10	<0.10	≤ 1
Nickel	(Ni)	<0.02	<0.02	<0.02	≤ 0.02
Antimony	(Sb)	<0.01	<0.01	<0.01	≤ 0.04
Arsenic	(As)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Cadmium	(Cd)	<0.002	<0.002	<0.002	Not Detected (< 0.002)
Chromium	(Cr)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lead	(Pb)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Mercury	(Hg)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lanthanum	(La)	<0.01	<0.01	<0.01	Sum ≤ 0.05
Europium	(Eu)	<0.01	<0.01	<0.01	
Gadolinium	(Gd)	<0.01	<0.01	<0.01	
Terbium	(Tb)	<0.01	<0.01	<0.01	

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

(Continued)

Testing condition and simulant: Distilled water at 100 °C for 2 hour (s).

Surface area to Volume ratio: 6dm² : 1000ml

Test Item		Result [mg/kg]			Requirement [mg/kg]
		Sample 032			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Barium	(Ba)	<0.10	<0.10	<0.10	≤ 1
Cobalt	(Co)	<0.05	<0.05	<0.05	≤ 0.05
Copper	(Cu)	<0.10	<0.10	<0.10	≤ 5
Iron	(Fe)	<0.10	<0.10	<0.10	≤ 48
Lithium	(Li)	<0.06	<0.06	<0.06	≤ 0.6
Manganese	(Mn)	<0.02	<0.02	<0.02	≤ 0.6
Zinc	(Zn)	<0.10	<0.10	<0.10	≤ 5
Aluminium	(Al)	<0.10	<0.10	<0.10	≤ 1
Nickel	(Ni)	<0.02	<0.02	<0.02	≤ 0.02
Antimony	(Sb)	<0.01	<0.01	<0.01	≤ 0.04
Arsenic	(As)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Cadmium	(Cd)	<0.002	<0.002	<0.002	Not Detected (< 0.002)
Chromium	(Cr)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lead	(Pb)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Mercury	(Hg)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lanthanum	(La)	<0.01	<0.01	<0.01	Sum ≤ 0.05
Europium	(Eu)	<0.01	<0.01	<0.01	
Gadolinium	(Gd)	<0.01	<0.01	<0.01	
Terbium	(Tb)	<0.01	<0.01	<0.01	

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

(Continued)

Testing condition and simulant: Distilled water at 70 °C for 2 hour (s).

Surface area to Volume ratio: 6dm² : 1000ml

Test Item		Result [mg/kg]			Requirement [mg/kg]
		Sample 033			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Barium	(Ba)	<0.10	<0.10	<0.10	≤ 1
Cobalt	(Co)	<0.05	<0.05	<0.05	≤ 0.05
Copper	(Cu)	<0.10	<0.10	<0.10	≤ 5
Iron	(Fe)	<0.10	<0.10	<0.10	≤ 48
Lithium	(Li)	<0.06	<0.06	<0.06	≤ 0.6
Manganese	(Mn)	<0.02	<0.02	<0.02	≤ 0.6
Zinc	(Zn)	<0.10	<0.10	<0.10	≤ 5
Aluminium	(Al)	<0.10	<0.10	<0.10	≤ 1
Nickel	(Ni)	<0.02	<0.02	<0.02	≤ 0.02
Antimony	(Sb)	<0.01	<0.01	<0.01	≤ 0.04
Arsenic	(As)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Cadmium	(Cd)	<0.002	<0.002	<0.002	Not Detected (< 0.002)
Chromium	(Cr)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lead	(Pb)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Mercury	(Hg)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lanthanum	(La)	<0.01	<0.01	<0.01	Sum ≤ 0.05
Europium	(Eu)	<0.01	<0.01	<0.01	
Gadolinium	(Gd)	<0.01	<0.01	<0.01	
Terbium	(Tb)	<0.01	<0.01	<0.01	

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

(Continued)

Testing condition and simulant: Distilled water at 40 °C for 10 day (s).

Surface area to Volume ratio: 6dm² : 1000ml

Test Item		Result [mg/kg]			Requirement [mg/kg]
		Sample 034			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Barium	(Ba)	<0.10	<0.10	<0.10	≤ 1
Cobalt	(Co)	<0.05	<0.05	<0.05	≤ 0.05
Copper	(Cu)	<0.10	<0.10	<0.10	≤ 5
Iron	(Fe)	<0.10	<0.10	<0.10	≤ 48
Lithium	(Li)	<0.06	<0.06	<0.06	≤ 0.6
Manganese	(Mn)	<0.02	<0.02	<0.02	≤ 0.6
Zinc	(Zn)	<0.10	<0.10	<0.10	≤ 5
Aluminium	(Al)	<0.10	<0.10	<0.10	≤ 1
Nickel	(Ni)	<0.02	<0.02	<0.02	≤ 0.02
Antimony	(Sb)	<0.01	<0.01	<0.01	≤ 0.04
Arsenic	(As)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Cadmium	(Cd)	<0.002	<0.002	<0.002	Not Detected (< 0.002)
Chromium	(Cr)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lead	(Pb)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Mercury	(Hg)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lanthanum	(La)	<0.01	<0.01	<0.01	Sum ≤ 0.05
Europium	(Eu)	<0.01	<0.01	<0.01	
Gadolinium	(Gd)	<0.01	<0.01	<0.01	
Terbium	(Tb)	<0.01	<0.01	<0.01	

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

(Continued)

Testing condition and simulant: Distilled water at 40 °C for 3 day (s).

Surface area to Volume ratio: 6dm² : 1000ml

Test Item		Result [mg/kg]			Requirement [mg/kg]
		Sample 036			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Barium	(Ba)	<0.10	<0.10	<0.10	≤ 1
Cobalt	(Co)	<0.05	<0.05	<0.05	≤ 0.05
Copper	(Cu)	<0.10	<0.10	<0.10	≤ 5
Iron	(Fe)	<0.10	<0.10	<0.10	≤ 48
Lithium	(Li)	<0.06	<0.06	<0.06	≤ 0.6
Manganese	(Mn)	<0.02	<0.02	<0.02	≤ 0.6
Zinc	(Zn)	<0.10	<0.10	<0.10	≤ 5
Aluminium	(Al)	<0.10	<0.10	<0.10	≤ 1
Nickel	(Ni)	<0.02	<0.02	<0.02	≤ 0.02
Antimony	(Sb)	<0.01	<0.01	<0.01	≤ 0.04
Arsenic	(As)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Cadmium	(Cd)	<0.002	<0.002	<0.002	Not Detected (< 0.002)
Chromium	(Cr)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lead	(Pb)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Mercury	(Hg)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lanthanum	(La)	<0.01	<0.01	<0.01	Sum ≤ 0.05
Europium	(Eu)	<0.01	<0.01	<0.01	
Gadolinium	(Gd)	<0.01	<0.01	<0.01	
Terbium	(Tb)	<0.01	<0.01	<0.01	

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

(Continued)

Testing condition and simulant: Distilled water at 100 °C for 2 hour (s).

Surface area to Volume ratio: 6dm² : 1000ml

Test Item		Result [mg/kg]			Requirement [mg/kg]
		Sample 037			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Barium	(Ba)	<0.10	<0.10	<0.10	≤ 1
Cobalt	(Co)	<0.05	<0.05	<0.05	≤ 0.05
Copper	(Cu)	<0.10	<0.10	<0.10	≤ 5
Iron	(Fe)	<0.10	<0.10	<0.10	≤ 48
Lithium	(Li)	<0.06	<0.06	<0.06	≤ 0.6
Manganese	(Mn)	<0.02	<0.02	<0.02	≤ 0.6
Zinc	(Zn)	<0.10	<0.10	<0.10	≤ 5
Aluminium	(Al)	<0.10	<0.10	<0.10	≤ 1
Nickel	(Ni)	<0.02	<0.02	<0.02	≤ 0.02
Antimony	(Sb)	<0.01	<0.01	<0.01	≤ 0.04
Arsenic	(As)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Cadmium	(Cd)	<0.002	<0.002	<0.002	Not Detected (< 0.002)
Chromium	(Cr)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lead	(Pb)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Mercury	(Hg)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lanthanum	(La)	<0.01	<0.01	<0.01	Sum ≤ 0.05
Europium	(Eu)	<0.01	<0.01	<0.01	
Gadolinium	(Gd)	<0.01	<0.01	<0.01	
Terbium	(Tb)	<0.01	<0.01	<0.01	

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

(Continued)

Testing condition and simulant: Distilled water at 40 °C for 3 day (s).

Surface area to Volume ratio: 6dm² : 1000ml

Test Item		Result [mg/kg]			Requirement [mg/kg]
		Sample 038			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Barium	(Ba)	<0.10	<0.10	<0.10	≤ 1
Cobalt	(Co)	<0.05	<0.05	<0.05	≤ 0.05
Copper	(Cu)	<0.10	<0.10	<0.10	≤ 5
Iron	(Fe)	<0.10	<0.10	<0.10	≤ 48
Lithium	(Li)	<0.06	<0.06	<0.06	≤ 0.6
Manganese	(Mn)	<0.02	<0.02	<0.02	≤ 0.6
Zinc	(Zn)	<0.10	<0.10	<0.10	≤ 5
Aluminium	(Al)	<0.10	<0.10	<0.10	≤ 1
Nickel	(Ni)	<0.02	<0.02	<0.02	≤ 0.02
Antimony	(Sb)	<0.01	<0.01	<0.01	≤ 0.04
Arsenic	(As)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Cadmium	(Cd)	<0.002	<0.002	<0.002	Not Detected (< 0.002)
Chromium	(Cr)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lead	(Pb)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Mercury	(Hg)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lanthanum	(La)	<0.01	<0.01	<0.01	Sum ≤ 0.05
Europium	(Eu)	<0.01	<0.01	<0.01	
Gadolinium	(Gd)	<0.01	<0.01	<0.01	
Terbium	(Tb)	<0.01	<0.01	<0.01	

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

(Continued)

Testing condition and simulant: Distilled water at 40 °C for 10 day (s).

Surface area to Volume ratio: 6dm² : 1000ml

Test Item		Result [mg/kg]			Requirement [mg/kg]
		Sample 039			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Barium	(Ba)	<0.10	<0.10	<0.10	≤ 1
Cobalt	(Co)	<0.05	<0.05	<0.05	≤ 0.05
Copper	(Cu)	<0.10	<0.10	<0.10	≤ 5
Iron	(Fe)	<0.10	<0.10	<0.10	≤ 48
Lithium	(Li)	<0.06	<0.06	<0.06	≤ 0.6
Manganese	(Mn)	<0.02	<0.02	<0.02	≤ 0.6
Zinc	(Zn)	<0.10	<0.10	<0.10	≤ 5
Aluminium	(Al)	<0.10	<0.10	<0.10	≤ 1
Nickel	(Ni)	<0.02	<0.02	<0.02	≤ 0.02
Antimony	(Sb)	<0.01	<0.01	<0.01	≤ 0.04
Arsenic	(As)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Cadmium	(Cd)	<0.002	<0.002	<0.002	Not Detected (< 0.002)
Chromium	(Cr)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lead	(Pb)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Mercury	(Hg)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lanthanum	(La)	<0.01	<0.01	<0.01	Sum ≤ 0.05
Europium	(Eu)	<0.01	<0.01	<0.01	
Gadolinium	(Gd)	<0.01	<0.01	<0.01	
Terbium	(Tb)	<0.01	<0.01	<0.01	

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

(Continued)

Testing condition and simulant: Distilled water at 100 °C for 2 hour (s).

Surface area to Volume ratio: 6dm² : 1000ml

Test Item		Result [mg/kg]			Requirement [mg/kg]
		Sample 040			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Barium	(Ba)	<0.10	<0.10	<0.10	≤ 1
Cobalt	(Co)	<0.05	<0.05	<0.05	≤ 0.05
Copper	(Cu)	<0.10	<0.10	<0.10	≤ 5
Iron	(Fe)	<0.10	<0.10	<0.10	≤ 48
Lithium	(Li)	<0.06	<0.06	<0.06	≤ 0.6
Manganese	(Mn)	<0.02	<0.02	<0.02	≤ 0.6
Zinc	(Zn)	<0.10	<0.10	<0.10	≤ 5
Aluminium	(Al)	<0.10	<0.10	<0.10	≤ 1
Nickel	(Ni)	<0.02	<0.02	<0.02	≤ 0.02
Antimony	(Sb)	<0.01	<0.01	<0.01	≤ 0.04
Arsenic	(As)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Cadmium	(Cd)	<0.002	<0.002	<0.002	Not Detected (< 0.002)
Chromium	(Cr)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lead	(Pb)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Mercury	(Hg)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lanthanum	(La)	<0.01	<0.01	<0.01	Sum ≤ 0.05
Europium	(Eu)	<0.01	<0.01	<0.01	
Gadolinium	(Gd)	<0.01	<0.01	<0.01	
Terbium	(Tb)	<0.01	<0.01	<0.01	

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

(Continued)

Testing condition and simulant: Distilled water at 40 °C for 3 day (s).

Surface area to Volume ratio: 6dm² : 1000ml

Test Item		Result [mg/kg]			Requirement [mg/kg]
		Sample 043			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Barium	(Ba)	<0.10	<0.10	<0.10	≤ 1
Cobalt	(Co)	<0.05	<0.05	<0.05	≤ 0.05
Copper	(Cu)	<0.10	<0.10	<0.10	≤ 5
Iron	(Fe)	<0.10	<0.10	<0.10	≤ 48
Lithium	(Li)	<0.06	<0.06	<0.06	≤ 0.6
Manganese	(Mn)	<0.02	<0.02	<0.02	≤ 0.6
Zinc	(Zn)	<0.10	<0.10	<0.10	≤ 5
Aluminium	(Al)	<0.10	<0.10	<0.10	≤ 1
Nickel	(Ni)	<0.02	<0.02	<0.02	≤ 0.02
Antimony	(Sb)	<0.01	<0.01	<0.01	≤ 0.04
Arsenic	(As)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Cadmium	(Cd)	<0.002	<0.002	<0.002	Not Detected (< 0.002)
Chromium	(Cr)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lead	(Pb)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Mercury	(Hg)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lanthanum	(La)	<0.01	<0.01	<0.01	Sum ≤ 0.05
Europium	(Eu)	<0.01	<0.01	<0.01	
Gadolinium	(Gd)	<0.01	<0.01	<0.01	
Terbium	(Tb)	<0.01	<0.01	<0.01	

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

(Continued)

Testing condition and simulant: Distilled water at 70 °C for 2 hour (s).

Surface area to Volume ratio: 6dm² : 1000ml

Test Item		Result [mg/kg]			Requirement [mg/kg]
		Sample 044			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Barium	(Ba)	<0.10	<0.10	<0.10	≤ 1
Cobalt	(Co)	<0.05	<0.05	<0.05	≤ 0.05
Copper	(Cu)	<0.10	<0.10	<0.10	≤ 5
Iron	(Fe)	<0.10	<0.10	<0.10	≤ 48
Lithium	(Li)	<0.06	<0.06	<0.06	≤ 0.6
Manganese	(Mn)	<0.02	<0.02	<0.02	≤ 0.6
Zinc	(Zn)	<0.10	<0.10	<0.10	≤ 5
Aluminium	(Al)	<0.10	<0.10	<0.10	≤ 1
Nickel	(Ni)	<0.02	<0.02	<0.02	≤ 0.02
Antimony	(Sb)	<0.01	<0.01	<0.01	≤ 0.04
Arsenic	(As)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Cadmium	(Cd)	<0.002	<0.002	<0.002	Not Detected (< 0.002)
Chromium	(Cr)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lead	(Pb)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Mercury	(Hg)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lanthanum	(La)	<0.01	<0.01	<0.01	Sum ≤ 0.05
Europium	(Eu)	<0.01	<0.01	<0.01	
Gadolinium	(Gd)	<0.01	<0.01	<0.01	
Terbium	(Tb)	<0.01	<0.01	<0.01	

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

(Continued)

Testing condition and simulant: Distilled water at 70 °C for 2 hour (s).

Surface area to Volume ratio: 6dm² : 1000ml

Test Item		Result [mg/kg]			Requirement [mg/kg]
		Sample 046			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Barium	(Ba)	<0.10	<0.10	<0.10	≤ 1
Cobalt	(Co)	<0.05	<0.05	<0.05	≤ 0.05
Copper	(Cu)	<0.10	<0.10	<0.10	≤ 5
Iron	(Fe)	<0.10	<0.10	<0.10	≤ 48
Lithium	(Li)	<0.06	<0.06	<0.06	≤ 0.6
Manganese	(Mn)	<0.02	<0.02	<0.02	≤ 0.6
Zinc	(Zn)	<0.10	<0.10	<0.10	≤ 5
Aluminium	(Al)	<0.10	<0.10	<0.10	≤ 1
Nickel	(Ni)	<0.02	<0.02	<0.02	≤ 0.02
Antimony	(Sb)	<0.01	<0.01	<0.01	≤ 0.04
Arsenic	(As)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Cadmium	(Cd)	<0.002	<0.002	<0.002	Not Detected (< 0.002)
Chromium	(Cr)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lead	(Pb)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Mercury	(Hg)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lanthanum	(La)	<0.01	<0.01	<0.01	Sum ≤ 0.05
Europium	(Eu)	<0.01	<0.01	<0.01	
Gadolinium	(Gd)	<0.01	<0.01	<0.01	
Terbium	(Tb)	<0.01	<0.01	<0.01	

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

(Continued)

Testing condition and simulant: Distilled water at 70 °C for 2 hour (s).

Surface area to Volume ratio: 6dm² : 1000ml

Test Item		Result [mg/kg]			Requirement [mg/kg]
		Sample 049			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Barium	(Ba)	<0.10	<0.10	<0.10	≤ 1
Cobalt	(Co)	<0.05	<0.05	<0.05	≤ 0.05
Copper	(Cu)	<0.10	<0.10	<0.10	≤ 5
Iron	(Fe)	<0.10	<0.10	<0.10	≤ 48
Lithium	(Li)	<0.06	<0.06	<0.06	≤ 0.6
Manganese	(Mn)	<0.02	<0.02	<0.02	≤ 0.6
Zinc	(Zn)	<0.10	<0.10	<0.10	≤ 5
Aluminium	(Al)	<0.10	<0.10	<0.10	≤ 1
Nickel	(Ni)	<0.02	<0.02	<0.02	≤ 0.02
Antimony	(Sb)	<0.01	<0.01	<0.01	≤ 0.04
Arsenic	(As)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Cadmium	(Cd)	<0.002	<0.002	<0.002	Not Detected (< 0.002)
Chromium	(Cr)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lead	(Pb)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Mercury	(Hg)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lanthanum	(La)	<0.01	<0.01	<0.01	Sum ≤ 0.05
Europium	(Eu)	<0.01	<0.01	<0.01	
Gadolinium	(Gd)	<0.01	<0.01	<0.01	
Terbium	(Tb)	<0.01	<0.01	<0.01	

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

(Continued)

Testing condition and simulant: Distilled water at 100 °C for 2 hour (s).

Surface area to Volume ratio: 6dm² : 1000ml

Test Item		Result [mg/kg]			Requirement [mg/kg]
		Sample 050			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Barium	(Ba)	<0.10	<0.10	<0.10	≤ 1
Cobalt	(Co)	<0.05	<0.05	<0.05	≤ 0.05
Copper	(Cu)	<0.10	<0.10	<0.10	≤ 5
Iron	(Fe)	<0.10	<0.10	<0.10	≤ 48
Lithium	(Li)	<0.06	<0.06	<0.06	≤ 0.6
Manganese	(Mn)	<0.02	<0.02	<0.02	≤ 0.6
Zinc	(Zn)	<0.10	<0.10	<0.10	≤ 5
Aluminium	(Al)	<0.10	<0.10	<0.10	≤ 1
Nickel	(Ni)	<0.02	<0.02	<0.02	≤ 0.02
Antimony	(Sb)	<0.01	<0.01	<0.01	≤ 0.04
Arsenic	(As)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Cadmium	(Cd)	<0.002	<0.002	<0.002	Not Detected (< 0.002)
Chromium	(Cr)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lead	(Pb)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Mercury	(Hg)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lanthanum	(La)	<0.01	<0.01	<0.01	Sum ≤ 0.05
Europium	(Eu)	<0.01	<0.01	<0.01	
Gadolinium	(Gd)	<0.01	<0.01	<0.01	
Terbium	(Tb)	<0.01	<0.01	<0.01	

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

(Continued)

Testing condition and simulant: Distilled water at 70 °C for 2 hour (s).

Surface area to Volume ratio: 6dm² : 1000ml

Test Item		Result [mg/kg]			Requirement [mg/kg]
		Sample 054			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Barium	(Ba)	<0.10	<0.10	<0.10	≤ 1
Cobalt	(Co)	<0.05	<0.05	<0.05	≤ 0.05
Copper	(Cu)	<0.10	<0.10	<0.10	≤ 5
Iron	(Fe)	<0.10	<0.10	<0.10	≤ 48
Lithium	(Li)	<0.06	<0.06	<0.06	≤ 0.6
Manganese	(Mn)	<0.02	<0.02	<0.02	≤ 0.6
Zinc	(Zn)	<0.10	<0.10	<0.10	≤ 5
Aluminium	(Al)	<0.10	<0.10	<0.10	≤ 1
Nickel	(Ni)	<0.02	<0.02	<0.02	≤ 0.02
Antimony	(Sb)	<0.01	<0.01	<0.01	≤ 0.04
Arsenic	(As)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Cadmium	(Cd)	<0.002	<0.002	<0.002	Not Detected (< 0.002)
Chromium	(Cr)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lead	(Pb)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Mercury	(Hg)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lanthanum	(La)	<0.01	<0.01	<0.01	Sum ≤ 0.05
Europium	(Eu)	<0.01	<0.01	<0.01	
Gadolinium	(Gd)	<0.01	<0.01	<0.01	
Terbium	(Tb)	<0.01	<0.01	<0.01	

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

(Continued)

Testing condition and simulant: Distilled water at 70 °C for 2 hour (s).

Surface area to Volume ratio: 6dm² : 1000ml

Test Item		Result [mg/kg]			Requirement [mg/kg]
		Sample 055			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Barium	(Ba)	<0.10	<0.10	<0.10	≤ 1
Cobalt	(Co)	<0.05	<0.05	<0.05	≤ 0.05
Copper	(Cu)	<0.10	<0.10	<0.10	≤ 5
Iron	(Fe)	<0.10	<0.10	<0.10	≤ 48
Lithium	(Li)	<0.06	<0.06	<0.06	≤ 0.6
Manganese	(Mn)	<0.02	<0.02	<0.02	≤ 0.6
Zinc	(Zn)	<0.10	<0.10	<0.10	≤ 5
Aluminium	(Al)	<0.10	<0.10	<0.10	≤ 1
Nickel	(Ni)	<0.02	<0.02	<0.02	≤ 0.02
Antimony	(Sb)	<0.01	<0.01	<0.01	≤ 0.04
Arsenic	(As)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Cadmium	(Cd)	<0.002	<0.002	<0.002	Not Detected (< 0.002)
Chromium	(Cr)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lead	(Pb)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Mercury	(Hg)	<0.01	<0.01	<0.01	Not Detected (< 0.01)
Lanthanum	(La)	<0.01	<0.01	<0.01	Sum ≤ 0.05
Europium	(Eu)	<0.01	<0.01	<0.01	
Gadolinium	(Gd)	<0.01	<0.01	<0.01	
Terbium	(Tb)	<0.01	<0.01	<0.01	

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

2.3. SPECIFIC MIGRATION OF PRIMARY AROMATIC AMINE TEST FOR PLASTICS

Test method: As specified in Regulation (EU) No. 10/2011 and its amendments; the sample (s) were migrated with food stimulant, followed by Ultraviolet–visible Specphotometer (UV-Vis) analysis.

Testing condition and simulant: Distilled water at 100 °C for 2 hour (s).

Surface area to Volume ratio: 6dm^2 : 1000ml

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 013			
	1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of Primary Aromatic Amine	< 0.01	< 0.01	< 0.01	Not Detected (< 0.01)

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 014			
	1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of Primary Aromatic Amine	< 0.01	< 0.01	< 0.01	Not Detected (< 0.01)

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 015			
	1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of Primary Aromatic Amine	< 0.01	< 0.01	< 0.01	Not Detected (< 0.01)

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 032			
	1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of Primary Aromatic Amine	< 0.01	< 0.01	< 0.01	Not Detected (< 0.01)

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 037			
	1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of Primary Aromatic Amine	< 0.01	< 0.01	< 0.01	Not Detected (< 0.01)

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 040			
	1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of Primary Aromatic Amine	< 0.01	< 0.01	< 0.01	Not Detected (< 0.01)

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 050			
	1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of Primary Aromatic Amine	< 0.01	< 0.01	< 0.01	Not Detected (< 0.01)

Testing condition and simulant: Distilled water at 40 °C for 10 day (s).
Surface area to Volume ratio: 6dm^2 : 1000ml

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 016			
	1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of Primary Aromatic Amine	< 0.01	< 0.01	< 0.01	Not Detected (< 0.01)

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 018			
	1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of Primary Aromatic Amine	< 0.01	< 0.01	< 0.01	Not Detected (< 0.01)

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 020			
	1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of Primary Aromatic Amine	< 0.01	< 0.01	< 0.01	Not Detected (< 0.01)

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 034			
	1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of Primary Aromatic Amine	< 0.01	< 0.01	< 0.01	Not Detected (< 0.01)

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 039			
	1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of Primary Aromatic Amine	< 0.01	< 0.01	< 0.01	Not Detected (< 0.01)

Testing condition and simulant: Distilled water at 40 °C for 3 day (s).
Surface area to Volume ratio: 6dm^2 : 1000ml

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 017			
	1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of Primary Aromatic Amine	< 0.01	< 0.01	< 0.01	Not Detected (< 0.01)

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 036			
	1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of Primary Aromatic Amine	< 0.01	< 0.01	< 0.01	Not Detected (< 0.01)

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 038			
	1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of Primary Aromatic Amine	< 0.01	< 0.01	< 0.01	Not Detected (< 0.01)

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 043			
	1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of Primary Aromatic Amine	< 0.01	< 0.01	< 0.01	Not Detected (< 0.01)

Testing condition and simulant: Distilled water at 70 °C for 2 hour (s).
Surface area to Volume ratio: 6dm^2 : 1000ml

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 007			
	1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of Primary Aromatic Amine	< 0.01	< 0.01	< 0.01	Not Detected (< 0.01)

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 033			
	1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of Primary Aromatic Amine	< 0.01	< 0.01	< 0.01	Not Detected (< 0.01)

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 044			
	1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of Primary Aromatic Amine	< 0.01	< 0.01	< 0.01	Not Detected (< 0.01)

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 046			
	1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of Primary Aromatic Amine	< 0.01	< 0.01	< 0.01	Not Detected (< 0.01)

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 049			
	1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of Primary Aromatic Amine	< 0.01	< 0.01	< 0.01	Not Detected (< 0.01)

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 054			
	1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of Primary Aromatic Amine	< 0.01	< 0.01	< 0.01	Not Detected (< 0.01)

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 055			
	1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of Primary Aromatic Amine	< 0.01	< 0.01	< 0.01	Not Detected (< 0.01)

Test method: As specified in Regulation (EU) No. 10/2011 and its amendments; the sample (s) were migrated with food stimulant, followed by Liquid Chromatography with Tandem Mass Spectrometry Detection (LC-MS/MS) analysis.

Testing condition and simulant: Distilled water at 100 °C for 2 hour (s).

Surface area to Volume ratio: 6dm^2 : 1000ml

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 013			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
1	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1	<0.002	<0.002	<0.002	< 0.002
2	Benzidine	92-87-5	<0.002	<0.002	<0.002	< 0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	<0.002	<0.002	< 0.002
4	2-naphthylamine	91-59-8	<0.002	<0.002	<0.002	< 0.002
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	<0.002	<0.002	<0.002	< 0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	<0.002	<0.002	< 0.002
7	4-chloroaniline	106-47-8	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 013			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
8	4-methoxy-m-phenylenediamine	615-05-4	<0.002	<0.002	<0.002	< 0.002
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	<0.002	<0.002	<0.002	< 0.002
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	<0.002	<0.002	<0.002	< 0.002
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	<0.002	<0.002	<0.002	< 0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	<0.002	<0.002	<0.002	< 0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	<0.002	<0.002	< 0.002
14	6-methoxy-m-toluidine p-cresidine	120-71-8	<0.002	<0.002	<0.002	< 0.002
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	<0.002	<0.002	<0.002	< 0.002
16	4,4'-oxydianiline	101-80-4	<0.002	<0.002	<0.002	< 0.002
17	4,4'-thiodianiline	139-65-1	<0.002	<0.002	<0.002	< 0.002
18	o-toluidine 2-aminotoluene	95-53-4	<0.002	<0.002	<0.002	< 0.002
19	4-methyl-m-phenylenediamine	95-80-7	<0.002	<0.002	<0.002	< 0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	<0.002	<0.002	< 0.002
21	o-anisidine 2-methoxyaniline	90-04-0	<0.002	<0.002	<0.002	< 0.002
22	4-amino azobenzene	60-09-3	<0.002	<0.002	<0.002	< 0.002
23	1,5- Diaminenaphthalene	2242-62-01	<0.002	<0.002	<0.002	< 0.002
24	Aniline(ANL)	62-53-3	<0.002	<0.002	<0.002	< 0.002
25	2,4-Dimethylaniline(2,4-DMA)	95-68-1	<0.002	<0.002	<0.002	< 0.002
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	<0.002	<0.002	<0.002	< 0.002
27	m-Phenylenediamine(m-PDA)	108-45-2	<0.002	<0.002	<0.002	< 0.002
28	p-Phenylenediamine(p-PDA)	106-50-3	<0.002	<0.002	<0.002	< 0.002
29	2,6-Toluenediamine(2,6-TDA)	823-40-5	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 014			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
1	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1	<0.002	<0.002	<0.002	< 0.002
2	Benzidine	92-87-5	<0.002	<0.002	<0.002	< 0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	<0.002	<0.002	< 0.002
4	2-naphthylamine	91-59-8	<0.002	<0.002	<0.002	< 0.002
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	<0.002	<0.002	<0.002	< 0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	<0.002	<0.002	< 0.002
7	4-chloroaniline	106-47-8	<0.002	<0.002	<0.002	< 0.002
8	4-methoxy-m-phenylenediamine	615-05-4	<0.002	<0.002	<0.002	< 0.002
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	<0.002	<0.002	<0.002	< 0.002
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	<0.002	<0.002	<0.002	< 0.002
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	<0.002	<0.002	<0.002	< 0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	<0.002	<0.002	<0.002	< 0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	<0.002	<0.002	< 0.002
14	6-methoxy-m-toluidine p-cresidine	120-71-8	<0.002	<0.002	<0.002	< 0.002
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	<0.002	<0.002	<0.002	< 0.002
16	4,4'-oxydianiline	101-80-4	<0.002	<0.002	<0.002	< 0.002
17	4,4'-thiodianiline	139-65-1	<0.002	<0.002	<0.002	< 0.002
18	o-toluidine 2-aminotoluene	95-53-4	<0.002	<0.002	<0.002	< 0.002
19	4-methyl-m-phenylenediamine	95-80-7	<0.002	<0.002	<0.002	< 0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	<0.002	<0.002	< 0.002
21	o-anisidine 2-methoxyaniline	90-04-0	<0.002	<0.002	<0.002	< 0.002
22	4-amino azobenzene	60-09-3	<0.002	<0.002	<0.002	< 0.002
23	1,5- Diaminenaphthalene	2242-62-01	<0.002	<0.002	<0.002	< 0.002
24	Aniline (ANL)	62-53-3	<0.002	<0.002	<0.002	< 0.002
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 014			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	<0.002	<0.002	<0.002	< 0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	<0.002	<0.002	<0.002	< 0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	<0.002	<0.002	<0.002	< 0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 015			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
1	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1	<0.002	<0.002	<0.002	< 0.002
2	Benzidine	92-87-5	<0.002	<0.002	<0.002	< 0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	<0.002	<0.002	< 0.002
4	2-naphthylamine	91-59-8	<0.002	<0.002	<0.002	< 0.002
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	<0.002	<0.002	<0.002	< 0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	<0.002	<0.002	< 0.002
7	4-chloroaniline	106-47-8	<0.002	<0.002	<0.002	< 0.002
8	4-methoxy-m-phenylenediamine	615-05-4	<0.002	<0.002	<0.002	< 0.002
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	<0.002	<0.002	<0.002	< 0.002
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	<0.002	<0.002	<0.002	< 0.002
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	<0.002	<0.002	<0.002	< 0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	<0.002	<0.002	<0.002	< 0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	<0.002	<0.002	< 0.002
14	6-methoxy-m-toluidine p-cresidine	120-71-8	<0.002	<0.002	<0.002	< 0.002
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	<0.002	<0.002	<0.002	< 0.002
16	4,4'-oxydianiline	101-80-4	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 015			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
17	4,4'-thiodianiline	139-65-1	<0.002	<0.002	<0.002	< 0.002
18	o-toluidine 2-aminotoluene	95-53-4	<0.002	<0.002	<0.002	< 0.002
19	4-methyl-m-phenylenediamine	95-80-7	<0.002	<0.002	<0.002	< 0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	<0.002	<0.002	< 0.002
21	o-anisidine 2-methoxyaniline	90-04-0	<0.002	<0.002	<0.002	< 0.002
22	4-amino azobenzene	60-09-3	<0.002	<0.002	<0.002	< 0.002
23	1,5- Diaminenaphthalene	2242-62-01	<0.002	<0.002	<0.002	< 0.002
24	Aniline (ANL)	62-53-3	<0.002	<0.002	<0.002	< 0.002
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	<0.002	<0.002	<0.002	< 0.002
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	<0.002	<0.002	<0.002	< 0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	<0.002	<0.002	<0.002	< 0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	<0.002	<0.002	<0.002	< 0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 032			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
1	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1	<0.002	<0.002	<0.002	< 0.002
2	Benzidine	92-87-5	<0.002	<0.002	<0.002	< 0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	<0.002	<0.002	< 0.002
4	2-naphthylamine	91-59-8	<0.002	<0.002	<0.002	< 0.002
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	<0.002	<0.002	<0.002	< 0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	<0.002	<0.002	< 0.002
7	4-chloroaniline	106-47-8	<0.002	<0.002	<0.002	< 0.002
8	4-methoxy-m-phenylenediamine	615-05-4	<0.002	<0.002	<0.002	< 0.002
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 032			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	<0.002	<0.002	<0.002	< 0.002
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	<0.002	<0.002	<0.002	< 0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	<0.002	<0.002	<0.002	< 0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	<0.002	<0.002	< 0.002
14	6-methoxy-m-toluidine p-cresidine	120-71-8	<0.002	<0.002	<0.002	< 0.002
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	<0.002	<0.002	<0.002	< 0.002
16	4,4'-oxydianiline	101-80-4	<0.002	<0.002	<0.002	< 0.002
17	4,4'-thiodianiline	139-65-1	<0.002	<0.002	<0.002	< 0.002
18	o-toluidine 2-aminotoluene	95-53-4	<0.002	<0.002	<0.002	< 0.002
19	4-methyl-m-phenylenediamine	95-80-7	<0.002	<0.002	<0.002	< 0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	<0.002	<0.002	< 0.002
21	o-anisidine 2-methoxyaniline	90-04-0	<0.002	<0.002	<0.002	< 0.002
22	4-amino azobenzene	60-09-3	<0.002	<0.002	<0.002	< 0.002
23	1,5- Diaminenaphthalene	2242-62-01	<0.002	<0.002	<0.002	< 0.002
24	Aniline (ANL)	62-53-3	<0.002	<0.002	<0.002	< 0.002
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	<0.002	<0.002	<0.002	< 0.002
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	<0.002	<0.002	<0.002	< 0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	<0.002	<0.002	<0.002	< 0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	<0.002	<0.002	<0.002	< 0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 037			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
1	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1	<0.002	<0.002	<0.002	< 0.002
2	Benzidine	92-87-5	<0.002	<0.002	<0.002	< 0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	<0.002	<0.002	< 0.002
4	2-naphthylamine	91-59-8	<0.002	<0.002	<0.002	< 0.002
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	<0.002	<0.002	<0.002	< 0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	<0.002	<0.002	< 0.002
7	4-chloroaniline	106-47-8	<0.002	<0.002	<0.002	< 0.002
8	4-methoxy-m-phenylenediamine	615-05-4	<0.002	<0.002	<0.002	< 0.002
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	<0.002	<0.002	<0.002	< 0.002
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	<0.002	<0.002	<0.002	< 0.002
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	<0.002	<0.002	<0.002	< 0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	<0.002	<0.002	<0.002	< 0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	<0.002	<0.002	< 0.002
14	6-methoxy-m-toluidine p-cresidine	120-71-8	<0.002	<0.002	<0.002	< 0.002
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	<0.002	<0.002	<0.002	< 0.002
16	4,4'-oxydianiline	101-80-4	<0.002	<0.002	<0.002	< 0.002
17	4,4'-thiodianiline	139-65-1	<0.002	<0.002	<0.002	< 0.002
18	o-toluidine 2-aminotoluene	95-53-4	<0.002	<0.002	<0.002	< 0.002
19	4-methyl-m-phenylenediamine	95-80-7	<0.002	<0.002	<0.002	< 0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	<0.002	<0.002	< 0.002
21	o-anisidine 2-methoxyaniline	90-04-0	<0.002	<0.002	<0.002	< 0.002
22	4-amino azobenzene	60-09-3	<0.002	<0.002	<0.002	< 0.002
23	1,5- Diaminenaphthalene	2242-62-01	<0.002	<0.002	<0.002	< 0.002
24	Aniline (ANL)	62-53-3	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 037			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	<0.002	<0.002	<0.002	< 0.002
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	<0.002	<0.002	<0.002	< 0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	<0.002	<0.002	<0.002	< 0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	<0.002	<0.002	<0.002	< 0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 040			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
1	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1	<0.002	<0.002	<0.002	< 0.002
2	Benzidine	92-87-5	<0.002	<0.002	<0.002	< 0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	<0.002	<0.002	< 0.002
4	2-naphthylamine	91-59-8	<0.002	<0.002	<0.002	< 0.002
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	<0.002	<0.002	<0.002	< 0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	<0.002	<0.002	< 0.002
7	4-chloroaniline	106-47-8	<0.002	<0.002	<0.002	< 0.002
8	4-methoxy-m-phenylenediamine	615-05-4	<0.002	<0.002	<0.002	< 0.002
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	<0.002	<0.002	<0.002	< 0.002
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	<0.002	<0.002	<0.002	< 0.002
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	<0.002	<0.002	<0.002	< 0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	<0.002	<0.002	<0.002	< 0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	<0.002	<0.002	< 0.002
14	6-methoxy-m-toluidine p-cresidine	120-71-8	<0.002	<0.002	<0.002	< 0.002
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 040			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
16	4,4'-oxydianiline	101-80-4	<0.002	<0.002	<0.002	< 0.002
17	4,4'-thiodianiline	139-65-1	<0.002	<0.002	<0.002	< 0.002
18	o-toluidine 2-aminotoluene	95-53-4	<0.002	<0.002	<0.002	< 0.002
19	4-methyl-m-phenylenediamine	95-80-7	<0.002	<0.002	<0.002	< 0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	<0.002	<0.002	< 0.002
21	o-anisidine 2-methoxyaniline	90-04-0	<0.002	<0.002	<0.002	< 0.002
22	4-amino azobenzene	60-09-3	<0.002	<0.002	<0.002	< 0.002
23	1,5- Diaminenaphthalene	2242-62-01	<0.002	<0.002	<0.002	< 0.002
24	Aniline (ANL)	62-53-3	<0.002	<0.002	<0.002	< 0.002
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	<0.002	<0.002	<0.002	< 0.002
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	<0.002	<0.002	<0.002	< 0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	<0.002	<0.002	<0.002	< 0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	<0.002	<0.002	<0.002	< 0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 050			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
1	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1	<0.002	<0.002	<0.002	< 0.002
2	Benzidine	92-87-5	<0.002	<0.002	<0.002	< 0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	<0.002	<0.002	< 0.002
4	2-naphthylamine	91-59-8	<0.002	<0.002	<0.002	< 0.002
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	<0.002	<0.002	<0.002	< 0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	<0.002	<0.002	< 0.002
7	4-chloroaniline	106-47-8	<0.002	<0.002	<0.002	< 0.002
8	4-methoxy-m-phenylenediamine	615-05-4	<0.002	<0.002	<0.002	< 0.002
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 050			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	<0.002	<0.002	<0.002	< 0.002
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	<0.002	<0.002	<0.002	< 0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	<0.002	<0.002	<0.002	< 0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	<0.002	<0.002	< 0.002
14	6-methoxy-m-toluidine p-cresidine	120-71-8	<0.002	<0.002	<0.002	< 0.002
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	<0.002	<0.002	<0.002	< 0.002
16	4,4'-oxydianiline	101-80-4	<0.002	<0.002	<0.002	< 0.002
17	4,4'-thiodianiline	139-65-1	<0.002	<0.002	<0.002	< 0.002
18	o-toluidine 2-aminotoluene	95-53-4	<0.002	<0.002	<0.002	< 0.002
19	4-methyl-m-phenylenediamine	95-80-7	<0.002	<0.002	<0.002	< 0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	<0.002	<0.002	< 0.002
21	o-anisidine 2-methoxyaniline	90-04-0	<0.002	<0.002	<0.002	< 0.002
22	4-amino azobenzene	60-09-3	<0.002	<0.002	<0.002	< 0.002
23	1,5- Diaminenaphthalene	2242-62-01	<0.002	<0.002	<0.002	< 0.002
24	Aniline (ANL)	62-53-3	<0.002	<0.002	<0.002	< 0.002
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	<0.002	<0.002	<0.002	< 0.002
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	<0.002	<0.002	<0.002	< 0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	<0.002	<0.002	<0.002	< 0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	<0.002	<0.002	<0.002	< 0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	<0.002	<0.002	<0.002	< 0.002

Testing condition and simulant: Distilled water at 40 °C for 10 day (s).
Surface area to Volume ratio: 6dm^2 : 1000ml

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 016			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
1	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1	<0.002	<0.002	<0.002	< 0.002
2	Benzidine	92-87-5	<0.002	<0.002	<0.002	< 0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	<0.002	<0.002	< 0.002
4	2-naphthylamine	91-59-8	<0.002	<0.002	<0.002	< 0.002
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	<0.002	<0.002	<0.002	< 0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	<0.002	<0.002	< 0.002
7	4-chloroaniline	106-47-8	<0.002	<0.002	<0.002	< 0.002
8	4-methoxy-m-phenylenediamine	615-05-4	<0.002	<0.002	<0.002	< 0.002
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	<0.002	<0.002	<0.002	< 0.002
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	<0.002	<0.002	<0.002	< 0.002
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	<0.002	<0.002	<0.002	< 0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	<0.002	<0.002	<0.002	< 0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	<0.002	<0.002	< 0.002
14	6-methoxy-m-toluidine p-cresidine	120-71-8	<0.002	<0.002	<0.002	< 0.002
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	<0.002	<0.002	<0.002	< 0.002
16	4,4'-oxydianiline	101-80-4	<0.002	<0.002	<0.002	< 0.002
17	4,4'-thiodianiline	139-65-1	<0.002	<0.002	<0.002	< 0.002
18	o-toluidine 2-aminotoluene	95-53-4	<0.002	<0.002	<0.002	< 0.002
19	4-methyl-m-phenylenediamine	95-80-7	<0.002	<0.002	<0.002	< 0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	<0.002	<0.002	< 0.002
21	o-anisidine 2-methoxyaniline	90-04-0	<0.002	<0.002	<0.002	< 0.002
22	4-amino azobenzene	60-09-3	<0.002	<0.002	<0.002	< 0.002
23	1,5- Diaminenaphthalene	2242-62-01	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 016			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
24	Aniline (ANL)	62-53-3	<0.002	<0.002	<0.002	< 0.002
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	<0.002	<0.002	<0.002	< 0.002
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	<0.002	<0.002	<0.002	< 0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	<0.002	<0.002	<0.002	< 0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	<0.002	<0.002	<0.002	< 0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 018			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
1	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1	<0.002	<0.002	<0.002	< 0.002
2	Benzidine	92-87-5	<0.002	<0.002	<0.002	< 0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	<0.002	<0.002	< 0.002
4	2-naphthylamine	91-59-8	<0.002	<0.002	<0.002	< 0.002
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	<0.002	<0.002	<0.002	< 0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	<0.002	<0.002	< 0.002
7	4-chloroaniline	106-47-8	<0.002	<0.002	<0.002	< 0.002
8	4-methoxy-m-phenylenediamine	615-05-4	<0.002	<0.002	<0.002	< 0.002
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	<0.002	<0.002	<0.002	< 0.002
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	<0.002	<0.002	<0.002	< 0.002
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	<0.002	<0.002	<0.002	< 0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	<0.002	<0.002	<0.002	< 0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	<0.002	<0.002	< 0.002
14	6-methoxy-m-toluidine p-cresidine	120-71-8	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 018			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	<0.002	<0.002	<0.002	< 0.002
16	4,4'-oxydianiline	101-80-4	<0.002	<0.002	<0.002	< 0.002
17	4,4'-thiodianiline	139-65-1	<0.002	<0.002	<0.002	< 0.002
18	o-toluidine 2-aminotoluene	95-53-4	<0.002	<0.002	<0.002	< 0.002
19	4-methyl-m-phenylenediamine	95-80-7	<0.002	<0.002	<0.002	< 0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	<0.002	<0.002	< 0.002
21	o-anisidine 2-methoxyaniline	90-04-0	<0.002	<0.002	<0.002	< 0.002
22	4-amino azobenzene	60-09-3	<0.002	<0.002	<0.002	< 0.002
23	1,5- Diaminenaphthalene	2242-62-01	<0.002	<0.002	<0.002	< 0.002
24	Aniline (ANL)	62-53-3	<0.002	<0.002	<0.002	< 0.002
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	<0.002	<0.002	<0.002	< 0.002
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	<0.002	<0.002	<0.002	< 0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	<0.002	<0.002	<0.002	< 0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	<0.002	<0.002	<0.002	< 0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 020			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
1	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1	<0.002	<0.002	<0.002	< 0.002
2	Benzidine	92-87-5	<0.002	<0.002	<0.002	< 0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	<0.002	<0.002	< 0.002
4	2-naphthylamine	91-59-8	<0.002	<0.002	<0.002	< 0.002
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	<0.002	<0.002	<0.002	< 0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	<0.002	<0.002	< 0.002
7	4-chloroaniline	106-47-8	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 020			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
8	4-methoxy-m-phenylenediamine	615-05-4	<0.002	<0.002	<0.002	< 0.002
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	<0.002	<0.002	<0.002	< 0.002
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	<0.002	<0.002	<0.002	< 0.002
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	<0.002	<0.002	<0.002	< 0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	<0.002	<0.002	<0.002	< 0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	<0.002	<0.002	< 0.002
14	6-methoxy-m-toluidine p-cresidine	120-71-8	<0.002	<0.002	<0.002	< 0.002
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	<0.002	<0.002	<0.002	< 0.002
16	4,4'-oxydianiline	101-80-4	<0.002	<0.002	<0.002	< 0.002
17	4,4'-thiodianiline	139-65-1	<0.002	<0.002	<0.002	< 0.002
18	o-toluidine 2-aminotoluene	95-53-4	<0.002	<0.002	<0.002	< 0.002
19	4-methyl-m-phenylenediamine	95-80-7	<0.002	<0.002	<0.002	< 0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	<0.002	<0.002	< 0.002
21	o-anisidine 2-methoxyaniline	90-04-0	<0.002	<0.002	<0.002	< 0.002
22	4-amino azobenzene	60-09-3	<0.002	<0.002	<0.002	< 0.002
23	1,5- Diaminenaphthalene	2242-62-01	<0.002	<0.002	<0.002	< 0.002
24	Aniline (ANL)	62-53-3	<0.002	<0.002	<0.002	< 0.002
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	<0.002	<0.002	<0.002	< 0.002
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	<0.002	<0.002	<0.002	< 0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	<0.002	<0.002	<0.002	< 0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	<0.002	<0.002	<0.002	< 0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 034			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
1	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1	<0.002	<0.002	<0.002	< 0.002
2	Benzidine	92-87-5	<0.002	<0.002	<0.002	< 0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	<0.002	<0.002	< 0.002
4	2-naphthylamine	91-59-8	<0.002	<0.002	<0.002	< 0.002
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	<0.002	<0.002	<0.002	< 0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	<0.002	<0.002	< 0.002
7	4-chloroaniline	106-47-8	<0.002	<0.002	<0.002	< 0.002
8	4-methoxy-m-phenylenediamine	615-05-4	<0.002	<0.002	<0.002	< 0.002
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	<0.002	<0.002	<0.002	< 0.002
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	<0.002	<0.002	<0.002	< 0.002
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	<0.002	<0.002	<0.002	< 0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	<0.002	<0.002	<0.002	< 0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	<0.002	<0.002	< 0.002
14	6-methoxy-m-toluidine p-cresidine	120-71-8	<0.002	<0.002	<0.002	< 0.002
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	<0.002	<0.002	<0.002	< 0.002
16	4,4'-oxydianiline	101-80-4	<0.002	<0.002	<0.002	< 0.002
17	4,4'-thiodianiline	139-65-1	<0.002	<0.002	<0.002	< 0.002
18	o-toluidine 2-aminotoluene	95-53-4	<0.002	<0.002	<0.002	< 0.002
19	4-methyl-m-phenylenediamine	95-80-7	<0.002	<0.002	<0.002	< 0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	<0.002	<0.002	< 0.002
21	o-anisidine 2-methoxyaniline	90-04-0	<0.002	<0.002	<0.002	< 0.002
22	4-amino azobenzene	60-09-3	<0.002	<0.002	<0.002	< 0.002
23	1,5- Diaminenaphthalene	2242-62-01	<0.002	<0.002	<0.002	< 0.002
24	Aniline (ANL)	62-53-3	<0.002	<0.002	<0.002	< 0.002
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 034			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	<0.002	<0.002	<0.002	< 0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	<0.002	<0.002	<0.002	< 0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	<0.002	<0.002	<0.002	< 0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 039			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
1	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1	<0.002	<0.002	<0.002	< 0.002
2	Benzidine	92-87-5	<0.002	<0.002	<0.002	< 0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	<0.002	<0.002	< 0.002
4	2-naphthylamine	91-59-8	<0.002	<0.002	<0.002	< 0.002
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	<0.002	<0.002	<0.002	< 0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	<0.002	<0.002	< 0.002
7	4-chloroaniline	106-47-8	<0.002	<0.002	<0.002	< 0.002
8	4-methoxy-m-phenylenediamine	615-05-4	<0.002	<0.002	<0.002	< 0.002
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	<0.002	<0.002	<0.002	< 0.002
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	<0.002	<0.002	<0.002	< 0.002
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	<0.002	<0.002	<0.002	< 0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	<0.002	<0.002	<0.002	< 0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	<0.002	<0.002	< 0.002
14	6-methoxy-m-toluidine p-cresidine	120-71-8	<0.002	<0.002	<0.002	< 0.002
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	<0.002	<0.002	<0.002	< 0.002
16	4,4'-oxydianiline	101-80-4	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 039			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
17	4,4'-thiodianiline	139-65-1	<0.002	<0.002	<0.002	< 0.002
18	o-toluidine 2-aminotoluene	95-53-4	<0.002	<0.002	<0.002	< 0.002
19	4-methyl-m-phenylenediamine	95-80-7	<0.002	<0.002	<0.002	< 0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	<0.002	<0.002	< 0.002
21	o-anisidine 2-methoxyaniline	90-04-0	<0.002	<0.002	<0.002	< 0.002
22	4-amino azobenzene	60-09-3	<0.002	<0.002	<0.002	< 0.002
23	1,5- Diaminenaphthalene	2242-62-01	<0.002	<0.002	<0.002	< 0.002
24	Aniline (ANL)	62-53-3	<0.002	<0.002	<0.002	< 0.002
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	<0.002	<0.002	<0.002	< 0.002
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	<0.002	<0.002	<0.002	< 0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	<0.002	<0.002	<0.002	< 0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	<0.002	<0.002	<0.002	< 0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	<0.002	<0.002	<0.002	< 0.002

Testing condition and simulant: Distilled water at 40 °C for 3 day (s).
Surface area to Volume ratio: 6dm^2 : 1000ml

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 017			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
1	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1	<0.002	<0.002	<0.002	< 0.002
2	Benzidine	92-87-5	<0.002	<0.002	<0.002	< 0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	<0.002	<0.002	< 0.002
4	2-naphthylamine	91-59-8	<0.002	<0.002	<0.002	< 0.002
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	<0.002	<0.002	<0.002	< 0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	<0.002	<0.002	< 0.002
7	4-chloroaniline	106-47-8	<0.002	<0.002	<0.002	< 0.002
8	4-methoxy-m-phenylenediamine	615-05-4	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 017			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	<0.002	<0.002	<0.002	< 0.002
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	<0.002	<0.002	<0.002	< 0.002
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	<0.002	<0.002	<0.002	< 0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	<0.002	<0.002	<0.002	< 0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	<0.002	<0.002	< 0.002
14	6-methoxy-m-toluidine p-cresidine	120-71-8	<0.002	<0.002	<0.002	< 0.002
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	<0.002	<0.002	<0.002	< 0.002
16	4,4'-oxydianiline	101-80-4	<0.002	<0.002	<0.002	< 0.002
17	4,4'-thiodianiline	139-65-1	<0.002	<0.002	<0.002	< 0.002
18	o-toluidine 2-aminotoluene	95-53-4	<0.002	<0.002	<0.002	< 0.002
19	4-methyl-m-phenylenediamine	95-80-7	<0.002	<0.002	<0.002	< 0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	<0.002	<0.002	< 0.002
21	o-anisidine 2-methoxyaniline	90-04-0	<0.002	<0.002	<0.002	< 0.002
22	4-amino azobenzene	60-09-3	<0.002	<0.002	<0.002	< 0.002
23	1,5- Diaminenaphthalene	2242-62-01	<0.002	<0.002	<0.002	< 0.002
24	Aniline (ANL)	62-53-3	<0.002	<0.002	<0.002	< 0.002
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	<0.002	<0.002	<0.002	< 0.002
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	<0.002	<0.002	<0.002	< 0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	<0.002	<0.002	<0.002	< 0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	<0.002	<0.002	<0.002	< 0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 036			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 036			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
1	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1	<0.002	<0.002	<0.002	< 0.002
2	Benzidine	92-87-5	<0.002	<0.002	<0.002	< 0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	<0.002	<0.002	< 0.002
4	2-naphthylamine	91-59-8	<0.002	<0.002	<0.002	< 0.002
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	<0.002	<0.002	<0.002	< 0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	<0.002	<0.002	< 0.002
7	4-chloroaniline	106-47-8	<0.002	<0.002	<0.002	< 0.002
8	4-methoxy-m-phenylenediamine	615-05-4	<0.002	<0.002	<0.002	< 0.002
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	<0.002	<0.002	<0.002	< 0.002
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	<0.002	<0.002	<0.002	< 0.002
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	<0.002	<0.002	<0.002	< 0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	<0.002	<0.002	<0.002	< 0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	<0.002	<0.002	< 0.002
14	6-methoxy-m-toluidine p-cresidine	120-71-8	<0.002	<0.002	<0.002	< 0.002
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	<0.002	<0.002	<0.002	< 0.002
16	4,4'-oxydianiline	101-80-4	<0.002	<0.002	<0.002	< 0.002
17	4,4'-thiodianiline	139-65-1	<0.002	<0.002	<0.002	< 0.002
18	o-toluidine 2-aminotoluene	95-53-4	<0.002	<0.002	<0.002	< 0.002
19	4-methyl-m-phenylenediamine	95-80-7	<0.002	<0.002	<0.002	< 0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	<0.002	<0.002	< 0.002
21	o-anisidine 2-methoxyaniline	90-04-0	<0.002	<0.002	<0.002	< 0.002
22	4-amino azobenzene	60-09-3	<0.002	<0.002	<0.002	< 0.002
23	1,5- Diaminenaphthalene	2242-62-01	<0.002	<0.002	<0.002	< 0.002
24	Aniline (ANL)	62-53-3	<0.002	<0.002	<0.002	< 0.002
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 036			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	<0.002	<0.002	<0.002	< 0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	<0.002	<0.002	<0.002	< 0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	<0.002	<0.002	<0.002	< 0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 038			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
1	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1	<0.002	<0.002	<0.002	< 0.002
2	Benzidine	92-87-5	<0.002	<0.002	<0.002	< 0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	<0.002	<0.002	< 0.002
4	2-naphthylamine	91-59-8	<0.002	<0.002	<0.002	< 0.002
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	<0.002	<0.002	<0.002	< 0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	<0.002	<0.002	< 0.002
7	4-chloroaniline	106-47-8	<0.002	<0.002	<0.002	< 0.002
8	4-methoxy-m-phenylenediamine	615-05-4	<0.002	<0.002	<0.002	< 0.002
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	<0.002	<0.002	<0.002	< 0.002
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	<0.002	<0.002	<0.002	< 0.002
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	<0.002	<0.002	<0.002	< 0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	<0.002	<0.002	<0.002	< 0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	<0.002	<0.002	< 0.002
14	6-methoxy-m-toluidine p-cresidine	120-71-8	<0.002	<0.002	<0.002	< 0.002
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	<0.002	<0.002	<0.002	< 0.002
16	4,4'-oxydianiline	101-80-4	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 038			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
17	4,4'-thiodianiline	139-65-1	<0.002	<0.002	<0.002	< 0.002
18	o-toluidine 2-aminotoluene	95-53-4	<0.002	<0.002	<0.002	< 0.002
19	4-methyl-m-phenylenediamine	95-80-7	<0.002	<0.002	<0.002	< 0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	<0.002	<0.002	< 0.002
21	o-anisidine 2-methoxyaniline	90-04-0	<0.002	<0.002	<0.002	< 0.002
22	4-amino azobenzene	60-09-3	<0.002	<0.002	<0.002	< 0.002
23	1,5- Diaminenaphthalene	2242-62-01	<0.002	<0.002	<0.002	< 0.002
24	Aniline (ANL)	62-53-3	<0.002	<0.002	<0.002	< 0.002
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	<0.002	<0.002	<0.002	< 0.002
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	<0.002	<0.002	<0.002	< 0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	<0.002	<0.002	<0.002	< 0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	<0.002	<0.002	<0.002	< 0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 043			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
1	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1	<0.002	<0.002	<0.002	< 0.002
2	Benzidine	92-87-5	<0.002	<0.002	<0.002	< 0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	<0.002	<0.002	< 0.002
4	2-naphthylamine	91-59-8	<0.002	<0.002	<0.002	< 0.002
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	<0.002	<0.002	<0.002	< 0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	<0.002	<0.002	< 0.002
7	4-chloroaniline	106-47-8	<0.002	<0.002	<0.002	< 0.002
8	4-methoxy-m-phenylenediamine	615-05-4	<0.002	<0.002	<0.002	< 0.002
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 043			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	<0.002	<0.002	<0.002	< 0.002
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	<0.002	<0.002	<0.002	< 0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	<0.002	<0.002	<0.002	< 0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	<0.002	<0.002	< 0.002
14	6-methoxy-m-toluidine p-cresidine	120-71-8	<0.002	<0.002	<0.002	< 0.002
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	<0.002	<0.002	<0.002	< 0.002
16	4,4'-oxydianiline	101-80-4	<0.002	<0.002	<0.002	< 0.002
17	4,4'-thiodianiline	139-65-1	<0.002	<0.002	<0.002	< 0.002
18	o-toluidine 2-aminotoluene	95-53-4	<0.002	<0.002	<0.002	< 0.002
19	4-methyl-m-phenylenediamine	95-80-7	<0.002	<0.002	<0.002	< 0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	<0.002	<0.002	< 0.002
21	o-anisidine 2-methoxyaniline	90-04-0	<0.002	<0.002	<0.002	< 0.002
22	4-amino azobenzene	60-09-3	<0.002	<0.002	<0.002	< 0.002
23	1,5- Diaminenaphthalene	2242-62-01	<0.002	<0.002	<0.002	< 0.002
24	Aniline (ANL)	62-53-3	<0.002	<0.002	<0.002	< 0.002
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	<0.002	<0.002	<0.002	< 0.002
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	<0.002	<0.002	<0.002	< 0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	<0.002	<0.002	<0.002	< 0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	<0.002	<0.002	<0.002	< 0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	<0.002	<0.002	<0.002	< 0.002

Testing condition and simulant: Distilled water at 70 °C for 2 hour (s).
Surface area to Volume ratio: 6dm^2 : 1000ml

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 007			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
1	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1	<0.002	<0.002	<0.002	< 0.002
2	Benzidine	92-87-5	<0.002	<0.002	<0.002	< 0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	<0.002	<0.002	< 0.002
4	2-naphthylamine	91-59-8	<0.002	<0.002	<0.002	< 0.002
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	<0.002	<0.002	<0.002	< 0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	<0.002	<0.002	< 0.002
7	4-chloroaniline	106-47-8	<0.002	<0.002	<0.002	< 0.002
8	4-methoxy-m-phenylenediamine	615-05-4	<0.002	<0.002	<0.002	< 0.002
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	<0.002	<0.002	<0.002	< 0.002
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	<0.002	<0.002	<0.002	< 0.002
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	<0.002	<0.002	<0.002	< 0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	<0.002	<0.002	<0.002	< 0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	<0.002	<0.002	< 0.002
14	6-methoxy-m-toluidine p-cresidine	120-71-8	<0.002	<0.002	<0.002	< 0.002
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	<0.002	<0.002	<0.002	< 0.002
16	4,4'-oxydianiline	101-80-4	<0.002	<0.002	<0.002	< 0.002
17	4,4'-thiodianiline	139-65-1	<0.002	<0.002	<0.002	< 0.002
18	o-toluidine 2-aminotoluene	95-53-4	<0.002	<0.002	<0.002	< 0.002
19	4-methyl-m-phenylenediamine	95-80-7	<0.002	<0.002	<0.002	< 0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	<0.002	<0.002	< 0.002
21	o-anisidine 2-methoxyaniline	90-04-0	<0.002	<0.002	<0.002	< 0.002
22	4-amino azobenzene	60-09-3	<0.002	<0.002	<0.002	< 0.002
23	1,5- Diaminenaphthalene	2242-62-01	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 007			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
24	Aniline (ANL)	62-53-3	<0.002	<0.002	<0.002	< 0.002
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	<0.002	<0.002	<0.002	< 0.002
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	<0.002	<0.002	<0.002	< 0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	<0.002	<0.002	<0.002	< 0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	<0.002	<0.002	<0.002	< 0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 033			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
1	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1	<0.002	<0.002	<0.002	< 0.002
2	Benzidine	92-87-5	<0.002	<0.002	<0.002	< 0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	<0.002	<0.002	< 0.002
4	2-naphthylamine	91-59-8	<0.002	<0.002	<0.002	< 0.002
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	<0.002	<0.002	<0.002	< 0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	<0.002	<0.002	< 0.002
7	4-chloroaniline	106-47-8	<0.002	<0.002	<0.002	< 0.002
8	4-methoxy-m-phenylenediamine	615-05-4	<0.002	<0.002	<0.002	< 0.002
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	<0.002	<0.002	<0.002	< 0.002
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	<0.002	<0.002	<0.002	< 0.002
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	<0.002	<0.002	<0.002	< 0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	<0.002	<0.002	<0.002	< 0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	<0.002	<0.002	< 0.002
14	6-methoxy-m-toluidine p-cresidine	120-71-8	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 033			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	<0.002	<0.002	<0.002	< 0.002
16	4,4'-oxydianiline	101-80-4	<0.002	<0.002	<0.002	< 0.002
17	4,4'-thiodianiline	139-65-1	<0.002	<0.002	<0.002	< 0.002
18	o-toluidine 2-aminotoluene	95-53-4	<0.002	<0.002	<0.002	< 0.002
19	4-methyl-m-phenylenediamine	95-80-7	<0.002	<0.002	<0.002	< 0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	<0.002	<0.002	< 0.002
21	o-anisidine 2-methoxyaniline	90-04-0	<0.002	<0.002	<0.002	< 0.002
22	4-amino azobenzene	60-09-3	<0.002	<0.002	<0.002	< 0.002
23	1,5- Diaminenaphthalene	2242-62-01	<0.002	<0.002	<0.002	< 0.002
24	Aniline (ANL)	62-53-3	<0.002	<0.002	<0.002	< 0.002
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	<0.002	<0.002	<0.002	< 0.002
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	<0.002	<0.002	<0.002	< 0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	<0.002	<0.002	<0.002	< 0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	<0.002	<0.002	<0.002	< 0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 044			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
1	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1	<0.002	<0.002	<0.002	< 0.002
2	Benzidine	92-87-5	<0.002	<0.002	<0.002	< 0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	<0.002	<0.002	< 0.002
4	2-naphthylamine	91-59-8	<0.002	<0.002	<0.002	< 0.002
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	<0.002	<0.002	<0.002	< 0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	<0.002	<0.002	< 0.002
7	4-chloroaniline	106-47-8	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 044			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
8	4-methoxy-m-phenylenediamine	615-05-4	<0.002	<0.002	<0.002	< 0.002
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	<0.002	<0.002	<0.002	< 0.002
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	<0.002	<0.002	<0.002	< 0.002
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	<0.002	<0.002	<0.002	< 0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	<0.002	<0.002	<0.002	< 0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	<0.002	<0.002	< 0.002
14	6-methoxy-m-toluidine p-cresidine	120-71-8	<0.002	<0.002	<0.002	< 0.002
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	<0.002	<0.002	<0.002	< 0.002
16	4,4'-oxydianiline	101-80-4	<0.002	<0.002	<0.002	< 0.002
17	4,4'-thiodianiline	139-65-1	<0.002	<0.002	<0.002	< 0.002
18	o-toluidine 2-aminotoluene	95-53-4	<0.002	<0.002	<0.002	< 0.002
19	4-methyl-m-phenylenediamine	95-80-7	<0.002	<0.002	<0.002	< 0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	<0.002	<0.002	< 0.002
21	o-anisidine 2-methoxyaniline	90-04-0	<0.002	<0.002	<0.002	< 0.002
22	4-amino azobenzene	60-09-3	<0.002	<0.002	<0.002	< 0.002
23	1,5- Diaminenaphthalene	2242-62-01	<0.002	<0.002	<0.002	< 0.002
24	Aniline (ANL)	62-53-3	<0.002	<0.002	<0.002	< 0.002
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	<0.002	<0.002	<0.002	< 0.002
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	<0.002	<0.002	<0.002	< 0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	<0.002	<0.002	<0.002	< 0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	<0.002	<0.002	<0.002	< 0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 046			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
1	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1	<0.002	<0.002	<0.002	< 0.002
2	Benzidine	92-87-5	<0.002	<0.002	<0.002	< 0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	<0.002	<0.002	< 0.002
4	2-naphthylamine	91-59-8	<0.002	<0.002	<0.002	< 0.002
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	<0.002	<0.002	<0.002	< 0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	<0.002	<0.002	< 0.002
7	4-chloroaniline	106-47-8	<0.002	<0.002	<0.002	< 0.002
8	4-methoxy-m-phenylenediamine	615-05-4	<0.002	<0.002	<0.002	< 0.002
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	<0.002	<0.002	<0.002	< 0.002
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	<0.002	<0.002	<0.002	< 0.002
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	<0.002	<0.002	<0.002	< 0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	<0.002	<0.002	<0.002	< 0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	<0.002	<0.002	< 0.002
14	6-methoxy-m-toluidine p-cresidine	120-71-8	<0.002	<0.002	<0.002	< 0.002
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	<0.002	<0.002	<0.002	< 0.002
16	4,4'-oxydianiline	101-80-4	<0.002	<0.002	<0.002	< 0.002
17	4,4'-thiodianiline	139-65-1	<0.002	<0.002	<0.002	< 0.002
18	o-toluidine 2-aminotoluene	95-53-4	<0.002	<0.002	<0.002	< 0.002
19	4-methyl-m-phenylenediamine	95-80-7	<0.002	<0.002	<0.002	< 0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	<0.002	<0.002	< 0.002
21	o-anisidine 2-methoxyaniline	90-04-0	<0.002	<0.002	<0.002	< 0.002
22	4-amino azobenzene	60-09-3	<0.002	<0.002	<0.002	< 0.002
23	1,5- Diaminenaphthalene	2242-62-01	<0.002	<0.002	<0.002	< 0.002
24	Aniline (ANL)	62-53-3	<0.002	<0.002	<0.002	< 0.002
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 046			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	<0.002	<0.002	<0.002	< 0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	<0.002	<0.002	<0.002	< 0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	<0.002	<0.002	<0.002	< 0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 049			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
1	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1	<0.002	<0.002	<0.002	< 0.002
2	Benzidine	92-87-5	<0.002	<0.002	<0.002	< 0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	<0.002	<0.002	< 0.002
4	2-naphthylamine	91-59-8	<0.002	<0.002	<0.002	< 0.002
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	<0.002	<0.002	<0.002	< 0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	<0.002	<0.002	< 0.002
7	4-chloroaniline	106-47-8	<0.002	<0.002	<0.002	< 0.002
8	4-methoxy-m-phenylenediamine	615-05-4	<0.002	<0.002	<0.002	< 0.002
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	<0.002	<0.002	<0.002	< 0.002
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	<0.002	<0.002	<0.002	< 0.002
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	<0.002	<0.002	<0.002	< 0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	<0.002	<0.002	<0.002	< 0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	<0.002	<0.002	< 0.002
14	6-methoxy-m-toluidine p-cresidine	120-71-8	<0.002	<0.002	<0.002	< 0.002
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	<0.002	<0.002	<0.002	< 0.002
16	4,4'-oxydianiline	101-80-4	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 049			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
17	4,4'-thiodianiline	139-65-1	<0.002	<0.002	<0.002	< 0.002
18	o-toluidine 2-aminotoluene	95-53-4	<0.002	<0.002	<0.002	< 0.002
19	4-methyl-m-phenylenediamine	95-80-7	<0.002	<0.002	<0.002	< 0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	<0.002	<0.002	< 0.002
21	o-anisidine 2-methoxyaniline	90-04-0	<0.002	<0.002	<0.002	< 0.002
22	4-amino azobenzene	60-09-3	<0.002	<0.002	<0.002	< 0.002
23	1,5- Diaminenaphthalene	2242-62-01	<0.002	<0.002	<0.002	< 0.002
24	Aniline (ANL)	62-53-3	<0.002	<0.002	<0.002	< 0.002
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	<0.002	<0.002	<0.002	< 0.002
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	<0.002	<0.002	<0.002	< 0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	<0.002	<0.002	<0.002	< 0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	<0.002	<0.002	<0.002	< 0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 054			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
1	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1	<0.002	<0.002	<0.002	< 0.002
2	Benzidine	92-87-5	<0.002	<0.002	<0.002	< 0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	<0.002	<0.002	< 0.002
4	2-naphthylamine	91-59-8	<0.002	<0.002	<0.002	< 0.002
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	<0.002	<0.002	<0.002	< 0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	<0.002	<0.002	< 0.002
7	4-chloroaniline	106-47-8	<0.002	<0.002	<0.002	< 0.002
8	4-methoxy-m-phenylenediamine	615-05-4	<0.002	<0.002	<0.002	< 0.002
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 054			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	<0.002	<0.002	<0.002	< 0.002
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	<0.002	<0.002	<0.002	< 0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	<0.002	<0.002	<0.002	< 0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	<0.002	<0.002	< 0.002
14	6-methoxy-m-toluidine p-cresidine	120-71-8	<0.002	<0.002	<0.002	< 0.002
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	<0.002	<0.002	<0.002	< 0.002
16	4,4'-oxydianiline	101-80-4	<0.002	<0.002	<0.002	< 0.002
17	4,4'-thiodianiline	139-65-1	<0.002	<0.002	<0.002	< 0.002
18	o-toluidine 2-aminotoluene	95-53-4	<0.002	<0.002	<0.002	< 0.002
19	4-methyl-m-phenylenediamine	95-80-7	<0.002	<0.002	<0.002	< 0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	<0.002	<0.002	< 0.002
21	o-anisidine 2-methoxyaniline	90-04-0	<0.002	<0.002	<0.002	< 0.002
22	4-amino azobenzene	60-09-3	<0.002	<0.002	<0.002	< 0.002
23	1,5- Diaminenaphthalene	2242-62-01	<0.002	<0.002	<0.002	< 0.002
24	Aniline (ANL)	62-53-3	<0.002	<0.002	<0.002	< 0.002
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	<0.002	<0.002	<0.002	< 0.002
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	<0.002	<0.002	<0.002	< 0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	<0.002	<0.002	<0.002	< 0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	<0.002	<0.002	<0.002	< 0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 055			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
1	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1	<0.002	<0.002	<0.002	< 0.002
2	Benzidine	92-87-5	<0.002	<0.002	<0.002	< 0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	<0.002	<0.002	< 0.002
4	2-naphthylamine	91-59-8	<0.002	<0.002	<0.002	< 0.002
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	<0.002	<0.002	<0.002	< 0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	<0.002	<0.002	< 0.002
7	4-chloroaniline	106-47-8	<0.002	<0.002	<0.002	< 0.002
8	4-methoxy-m-phenylenediamine	615-05-4	<0.002	<0.002	<0.002	< 0.002
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	<0.002	<0.002	<0.002	< 0.002
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	<0.002	<0.002	<0.002	< 0.002
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	<0.002	<0.002	<0.002	< 0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	<0.002	<0.002	<0.002	< 0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	<0.002	<0.002	< 0.002
14	6-methoxy-m-toluidine p-cresidine	120-71-8	<0.002	<0.002	<0.002	< 0.002
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	<0.002	<0.002	<0.002	< 0.002
16	4,4'-oxydianiline	101-80-4	<0.002	<0.002	<0.002	< 0.002
17	4,4'-thiodianiline	139-65-1	<0.002	<0.002	<0.002	< 0.002
18	o-toluidine 2-aminotoluene	95-53-4	<0.002	<0.002	<0.002	< 0.002
19	4-methyl-m-phenylenediamine	95-80-7	<0.002	<0.002	<0.002	< 0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	<0.002	<0.002	< 0.002
21	o-anisidine 2-methoxyaniline	90-04-0	<0.002	<0.002	<0.002	< 0.002
22	4-amino azobenzene	60-09-3	<0.002	<0.002	<0.002	< 0.002
23	1,5- Diaminenaphthalene	2242-62-01	<0.002	<0.002	<0.002	< 0.002
24	Aniline (ANL)	62-53-3	<0.002	<0.002	<0.002	< 0.002
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	<0.002	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
			Sample 055			
			1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	<0.002	<0.002	<0.002	< 0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	<0.002	<0.002	<0.002	< 0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	<0.002	<0.002	<0.002	< 0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	<0.002	<0.002	<0.002	< 0.002

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

2.4. VOLATILE ORGANIC COMPONENTS TEST FOR PLASTICS

Test Method: With reference to 48th Communication on the testing of plastics, Bundesgesundheitsblatt 25 (1982) 334.

Test Item	Test Condition	Result [mg/dm²]		Requirement [mg/dm²]
		Sample 017	Sample 038	
Volatile Organic Components	90 °C for 24 hours	< 3.0	3.9	≤ 15

Note:

- "mg/dm^2" denotes milligram per square decimeter
- The specification was quoted from Recommendation of the BfR "Kunststoffe im Lebensmittelverkehr" Part VI "Styrene Copolymers and Graft Polymers, and Mixtures of Polystyrene with other Polymers".

2.5. TOTAL ZINC, BORON AND FLUORINE CONTENT TEST FOR PLASTICS

Test method: Microwave digestion, followed by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) and Ion Chromatograph (IC) analysis.

Test Item	Result [%]			Requirement [%]
	Sample 014	Sample 015	Sample 016	
Total Zinc (Zn)	< 0.01	< 0.01	< 0.01	≤ 1.0
Total Boron(B)	< 0.005	< 0.005	< 0.005	≤ 0.008
Total Fluorine (F)	< 0.005	< 0.005	< 0.005	≤ 0.006

Note:

- "%" denotes percentage by weight.
- The specification was quoted from Recommendation of the BfR "Kunststoffe im Lebensmittelverkehr" Part XXXIII "Acetal Resins".

(Continued)

Test Item	Result [%]		Requirement [%]
	Sample 034	Sample 055	
Total Zinc (Zn)	< 0.01	< 0.01	≤ 1.0
Total Boron (B)	< 0.005	< 0.005	≤ 0.008
Total Fluorine (F)	< 0.005	< 0.005	≤ 0.006

Note:

- "%" denotes percentage by weight.
- The specification was quoted from Recommendation of the BfR "Kunststoffe im Lebensmittelverkehr" Part XXXIII "Acetal Resins".

2.6. TOTAL HEAVY METALS Sb, Ga, Ge, Co, Li, Mn, Zn, Ti, Pb, P) CONTENT TEST FOR PLASTICS

Test method: Microwave digestion, followed by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) analysis.

Test Item		Result [mg/kg]	Requirement [mg/kg]
		Sample 054	
Antimony	(Sb)	< 50	≤ 350
Gallium	(Ga)	< 15	≤ 20
Germanium	(Ge)	< 50	≤ 100
Cobalt	(Co)	< 15	≤ 125
Lithium	(Li)	< 15	≤ 130
Manganese	(Mn)	< 15	≤ 140
Zinc	(Zn)	< 15	≤ 80
Titanium	(Ti)	**478***	≤ 120
Lead	(Pb)	< 15	≤ 40
Phosphorous	(P)	110	≤ 125

Note:

- "mg/kg" denotes milligram per kilogram.
- "*" denoted that according to client's declaration, the titanium content is only come from titanium dioxide in the glass fiber, not come from catalysts and their residues of production aids, so the limit is not applicable.
- The specification was quoted from Recommendation of the BfR "Kunststoffe im Lebensmittelverkehr" Part XVII "Poly terephthalic acid diol esters)".

2.7. SPECIFIC MIGRATION OF FORMALDEHYDE TEST FOR PLASTICS

Test method: As specified in Regulation (EU) No. 10/2011 and its amendments; the sample (s) were migrated with food simulant, followed by Ultraviolet–visible spectroscopy (UV-Vis) analysis.

Testing condition and simulant: Distilled water at 100 °C for 2 hour (s).

Surface area to Volume ratio: 6dm² : 1000ml

Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
		Sample 014			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Migration of Formaldehyde	50-00-0	7.8	7.7	7.5	≤ 15

Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
		Sample 015			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Migration of Formaldehyde	50-00-0	8.3	8.2	6.5	≤ 15

Testing condition and simulant: Distilled water at 40 °C for 10 day (s).

Surface area to Volume ratio: 6dm² : 1000ml

Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
		Sample 016			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Migration of Formaldehyde	50-00-0	< 3	< 3	< 3	≤ 15

Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
		Sample 034			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Migration of Formaldehyde	50-00-0	3.7	< 3	< 3	≤ 15

Testing condition and simulant: Distilled water at 70 °C for 2 hour (s).

Surface area to Volume ratio: 6dm^2 : 1000ml

Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
		Sample 055			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Migration of Formaldehyde	50-00-0	< 3	< 3	< 3	≤ 15

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

2.8. TOTAL 1,3-BUTADIENE CONTENT TEST FOR PLASTICS

Test method: As specified in Regulation (EU) No. 10/2011 and its amendments; organic solvent extraction, followed by Gas Chromatography/Mass Spectrometry (GC-MS) analysis.

Test Item	CAS No.	Result [mg/kg]	Requirement [mg/kg]
		Sample 017	
Total 1,3-butadiene content	106-99-0	< 0.2	≤ 1

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

2.9. SPECIFIC MIGRATION OF ACRYLONITRILE TEST FOR PLASTICS

Test method: As specified in Regulation (EU) No. 10/2011 and its amendments; the sample (s) were migrated with food simulant, followed by Gas Chromatography/Mass Spectrometry(GC-MS) analysis.

Testing condition and simulant: 50% ethanol at 40 °C for 3 day (s).

Surface area to Volume ratio: 6dm^2 : 1000ml

Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
		Sample 017			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of Acrylonitrile	107-13-1	< 0.01	< 0.01	< 0.01	Not Detected < 0.01)

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

(Continued)

Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
		Sample 038			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of Acrylonitrile	107-13-1	< 0.01	< 0.01	< 0.01	Not Detected (< 0.01)

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

2.10. SPECIFIC MIGRATION OF 1,3-BUTADIENE TEST FOR PLASTICS

Test method: As specified in Regulation (EU) No. 10/2011 and its amendments; the sample (s) were migrated with food simulant, followed by Gas Chromatography/Mass Spectrometry (GC-MS) analysis.

Testing condition and simulant: 50% ethanol at 40 °C for 3 day (s).

Surface area to Volume ratio: 6dm^2 : 1000ml

Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
		Sample 017			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & each migration limit
Migration of 1,3-butadiene	106-99-0	< 0.01	< 0.01	< 0.01	Not Detected (< 0.01)

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

2.11. SPECIFIC MIGRATION OF HEXAMETHYLENEDIAMINE TEST FOR PLASTICS

Test method: As specified in Regulation (EU) No. 10/2011 and its amendments; the sample (s) were migrated with food simulant, followed by Gas Chromatography/Mass Spectrometry(GC-MS) analysis.

Testing condition and simulant: 20% ethanol at 70 °C for 2 hour (s).

Surface area to Volume ratio: 6dm^2 : 1000ml

Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
		Sample 007			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Migration of Hexamethylenediamine	124-09-4	< 0.2	< 0.2	< 0.2	≤ 2.4

Testing condition and simulant: 20% ethanol at 100 °C for 2 hour (s).
Surface area to Volume ratio: 6dm² : 1000ml

Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
		Sample 013			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Migration of Hexamethylenediamine	124-09-4	< 0.2	< 0.2	< 0.2	≤ 2.4

Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
		Sample 040			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Migration of Hexamethylenediamine	124-09-4	< 0.2	< 0.2	< 0.2	≤ 2.4

Testing condition and simulant: Distilled water at 100 °C for 2 hour(s).
Surface area to Volume ratio: 6dm² : 1000ml

Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
		Sample 050			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Migration of Hexamethylenediamine	124-09-4	< 0.2	< 0.2	< 0.2	≤ 2.4

Testing condition and simulant: Distilled water at 40 °C for 10 day(s).
Surface area to Volume ratio: 6dm² : 1000ml

Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
		Sample 018			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Migration of Hexamethylenediamine	124-09-4	< 0.2	< 0.2	< 0.2	≤ 2.4

Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
		Sample 020			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Migration of Hexamethylenediamine	124-09-4	< 0.2	< 0.2	< 0.2	≤ 2.4

Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
		Sample 039			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Migration of Hexamethylenediamine	124-09-4	< 0.2	< 0.2	< 0.2	≤ 2.4

Testing condition and simulant: Distilled water at 70 °C for 2 hour (s).
Surface area to Volume ratio: 6dm^2 : 1000ml

Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
		Sample 044			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Migration of Hexamethylenediamine	124-09-4	< 0.2	< 0.2	< 0.2	≤ 2.4

Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
		Sample 046			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Migration of Hexamethylenediamine	124-09-4	< 0.2	< 0.2	< 0.2	≤ 2.4

Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
		Sample 049			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Migration of Hexamethylenediamine	124-09-4	< 0.2	< 0.2	< 0.2	≤ 2.4

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

2.12. SPECIFIC MIGRATION OF TEREPHTHALIC ACID TEST FOR PLASTICS

Test method: As specified in Regulation (EU) No. 10/2011 and its amendments; the sample (s) were migrated with food simulant, followed by High-Performance Liquid Chromatography-Diode Array Detection (HPLC-DAD) analysis.

Testing condition and simulant: Distilled water at 70 °C for 2 hour (s).

Surface area to Volume ratio: 6dm^2 : 1000ml

Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
		Sample 054			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Migration of Terephthalic acid	100-21-0	< 1	< 1	< 1	≤ 7.5

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

2.13. SPECIFIC MIGRATION OF TETRAFLUOROETHYLENE TEST FOR PLASTICS

Test method: As specified in Regulation (EU) No. 10/2011 and its amendments; the sample (s) were migrated with food simulant, followed by Gas Chromatography and Mass Spectrometry(GC-MS) analysis.

Testing condition and simulant: Distilled water at 100 °C for 2 hour (s).

Surface area to Volume ratio: 6dm^2 : 1000ml

Test Item	CAS No.	Result [mg/kg]			Requirement [mg/kg]
		Sample 032			
		1st migration	2nd migration	3rd migration	3rd < 2nd < 1st & 3rd migration limit
Migration of Tetrafluoroethylene	116-14-3	< 0.05	< 0.05	< 0.05	≤ 0.05

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

2.14. TOTAL CHROMIUM, VANADIUM, ZIRCONIUM AND HAFNIUM CONTENT TEST FOR PLASTICS

Test method: Microwave digestion, followed by Inductively Coupled Plasma Optical Emission Spectrometry(ICP-OES) analysis.

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 036	Sample 037	Sample 043	
Chromium (Cr)	< 10	< 10	< 10	≤ 10
Vanadium (V)	< 15	< 15	< 15	≤ 20
Zirconium (Zr)	< 15	< 15	< 15	≤ 100
Hafnium (Hf)	< 15	< 15	< 15	≤ 100

Note:

- "mg/kg" denotes miligram per kilogram.
- The specification was quoted from Recommendation of the BfR "Kunststoffe im Lebensmittelverkehr" Part VII "Polypropylene".

2.15. OVERALL MIGRATION TEST FOR SILICONE

Test method: As specified in Resolution AP (2004)5; with reference to EN 1186-1: 2002, EN 1186-2: 2022, EN 1186-3: 2022, EN 1186-13: 2002.

Surface area to Volume ratio: 10dm^2 : 1000ml

Simulant Used	Test Condition	Result [mg/kg]			Requirement [mg/kg]
		Sample 001	Sample 003	Sample 004	
20% Ethanol	100 °C for 2 hours	< 10	< 10	< 10	≤ 60

Simulant Used	Test Condition	Result [mg/kg]			Requirement [mg/kg]
		Sample 006	Sample 008	Sample 009	
20% Ethanol	100 °C for 2 hours	< 10	< 10	< 10	≤ 60

Simulant Used	Test Condition	Result [mg/kg]		Requirement [mg/kg]
		Sample 010	Sample 012	
20% Ethanol	100 °C for 2 hours	< 10	< 10	≤ 60

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from Resolution AP(2004)5.

(Continued)

Simulant Used	Test Condition	Result [mg/kg]	Requirement [mg/kg]
		Sample 011	
20% Ethanol	40 °C for 24 hours	< 10	≤ 60

Simulant Used	Test Condition	Result [mg/kg]	Requirement [mg/kg]
		Sample 019	
20% Ethanol	40 °C for 10 days	< 10	≤ 60

Simulant Used	Test Condition	Result [mg/kg]			Requirement [mg/kg]
		Sample 047	Sample 048	Sample 056	
20% Ethanol	70 °C for 2 hours	< 10	< 10	< 10	≤ 60

Note:
- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from Resolution AP(2004)5.

2.16. EXTRACTABLE COMPONENTS TEST

Test method: With reference to Kunststoffe im Lebensmittelverkehr, Book 2, Teil B II, XV.

Simulant Used	Test Condition	Result [%]			Requirement [%]
		Sample 001	Sample 003	Sample 004	
Distilled water	Reflux for 5 hours	< 0.10	< 0.10	< 0.10	≤ 0.5
3% Acetic Acid	Reflux for 5 hours	< 0.10	< 0.10	< 0.10	≤ 0.5
10% Ethanol	Reflux for 5 hours	< 0.10	< 0.10	< 0.10	≤ 0.5

Simulant Used	Test Condition	Result [%]			Requirement [%]
		Sample 006	Sample 008	Sample 009	
Distilled water	Reflux for 5 hours	< 0.10	< 0.10	< 0.10	≤ 0.5
3% Acetic Acid	Reflux for 5 hours	< 0.10	< 0.10	< 0.10	≤ 0.5
10% Ethanol	Reflux for 5 hours	< 0.10	< 0.10	< 0.10	≤ 0.5

Note :
- "%" denotes percentage by weight.
- The specification was quoted from Recommendation of the BfR "Kunststoffe im Lebensmittelverkehr" Part XV "Silicones".

(Continued)

Simulant Used	Test Condition	Result [%]			Requirement [%]
		Sample 010	Sample 011	Sample 012	
Distilled water	Reflux for 5 hours	< 0.10	< 0.10	< 0.10	≤ 0.5
3% Acetic Acid	Reflux for 5 hours	< 0.10	< 0.10	< 0.10	≤ 0.5
10% Ethanol	Reflux for 5 hours	< 0.10	< 0.10	< 0.10	≤ 0.5

Simulant Used	Test Condition	Result [%]			Requirement [%]
		Sample 019	Sample 047	Sample 048	
Distilled water	Reflux for 5 hours	< 0.10	< 0.10	< 0.10	≤ 0.5
3% Acetic Acid	Reflux for 5 hours	< 0.10	< 0.10	< 0.10	≤ 0.5
10% Ethanol	Reflux for 5 hours	< 0.10	< 0.10	< 0.10	≤ 0.5

Simulant Used	Test Condition	Result [%]	Requirement [%]
		Sample 056	
Distilled water	Reflux for 5 hours	< 0.10	≤ 0.5
3% Acetic Acid	Reflux for 5 hours	< 0.10	≤ 0.5
10% Ethanol	Reflux for 5 hours	< 0.10	≤ 0.5

Note :

- "%" denotes percentage by weight.
- The specification was quoted from Recommendation of the BfR "Kunststoffe im Lebensmittelverkehr" Part XV "Silicones".

2.17. REMAINING PEROXIDE TEST FOR SILICONE

Test method : With reference to 58th Communication on the testing of plastics, Bundesgesundheitsbl. 40 (1997) 412.

Test Item	Result			Requirement
	Sample 001	Sample 003	Sample 004	
Remaining Peroxide	Absent	Absent	Absent	Absent

Test Item	Result			Requirement
	Sample 006	Sample 008	Sample 009	
Remaining Peroxide	Absent	Absent	Absent	Absent

Test Item	Result			Requirement
	Sample 010	Sample 011	Sample 012	
Remaining Peroxide	Absent	Absent	Absent	Absent

Test Item	Result			Requirement
	Sample 019	Sample 047	Sample 048	
Remaining Peroxide	Absent	Absent	Absent	Absent

Test Item	Result	Requirement
	Sample 056	
Remaining Peroxide	Absent	Absent

Note:

- The specification was quoted from Recommendation of the BfR “Kunststoffe im Lebensmittelverkehr” Part XV “Silicones”.

2.18. VOLATILE ORGANIC MATTERS TEST

Test Method: With reference to BfR Part XV “Silicones”.

Test Item	Test Condition	Result [%]			Requirement [%]
		Sample 001	Sample 003	Sample 004	
Volatile Organic Matters	200 °C for 4 hours	0.127	0.132	0.216	≤ 0.5

Test Item	Test Condition	Result [%]			Requirement [%]
		Sample 006	Sample 008	Sample 009	
Volatile Organic Matters	200 °C for 4 hours	0.132	0.178	0.117	≤ 0.5

Test Item	Test Condition	Result [%]			Requirement [%]
		Sample 010	Sample 011	Sample 012	
Volatile Organic Matters	200 °C for 4 hours	< 0.100	0.143	< 0.100	≤ 0.5

Test Item	Test Condition	Result [%]			Requirement [%]
		Sample 019	Sample 047	Sample 048	
Volatile Organic Matters	200 °C for 4 hours	< 0.100	0.221	0.284	≤ 0.5

Test Item	Test Condition	Result [%]	Requirement [%]
		Sample 056	
Volatile Organic Matters	200 °C for 4 hours	0.322	≤ 0.5

Note:

- “%” denotes percentage by weight.
- The specification was quoted from Recommendation of the BfR “Kunststoffe im Lebensmittelverkehr” Part XV “Silicones”.

2.19. TOTAL PLATINUM CONTENT TEST

Test method: Microwave digestion, followed by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) analysis.

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 001	Sample 003	Sample 004	
Total Platinum (Pt)	< 15.0	< 15.0	< 15.0	≤ 50(other than coating paper, plastic film)

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 006	Sample 008	Sample 009	
Total Platinum (Pt)	< 15.0	< 15.0	< 15.0	≤ 50(other than coating paper, plastic film)

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 010	Sample 011	Sample 012	
Total Platinum(Pt)	< 15.0	< 15.0	< 15.0	≤ 50 (other than coating paper, plastic film)

Test Item	Result [mg/kg]			Requirement [mg/kg]
	Sample 019	Sample 047	Sample 048	
Total Platinum (Pt)	< 15.0	< 15.0	< 15.0	≤ 50 (other than coating paper, plastic film)

Test Item	Result [mg/kg]	Requirement [mg/kg]
	Sample 056	
Total Platinum (Pt)	< 15.0	≤ 50(other than coating paper, plastic film)

Note:

- "mg/kg" denotes milligram per kilogram.
- The specification was quoted from Recommendation of the BfR "Kunststoffe im Lebensmittelverkehr" Part XV "Silicones".

2.20. OVERALL MIGRATION TEST FOR RUBBER

Test method: As specified in Resolution AP (2004)4 and Recommendation of the BfR "Kunststoffe im Lebensmittelverkehr" Part XXI/1; with reference to EN 1186-1: 2002, EN 1186-2: 2022, EN 1186-3: 2022, EN 1186-13: 2002.

Surface area to Volume ratio: 10dm^2 : 1000ml

Simulant Used	Test Condition	Result [mg/kg]		Requirement [mg/kg]
		Sample 031	Sample 041	
20% Ethanol	70 °C for 2 hours	< 10	11.0	≤ 60

Simulant Used	Test Condition	Result [mg/kg]	Requirement [mg/kg]
		Sample 051	
10% Ethanol	100 °C for 2 hours	15.7	≤ 60

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from Resolution AP(2004)4.

Simulant Used	Test Condition	Result [mg/kg]		Requirement [mg/kg]
		Sample 031	Sample 041	
20% Ethanol	40 °C for 24 hours	< 10	< 10	≤ 60

Simulant Used	Test Condition	Result [mg/kg]	Requirement [mg/kg]
		Sample 051	
10% Ethanol	40 °C for 24 hours	< 10	≤ 60

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from Recommendation of the BfR "Kunststoffe im Lebensmittelverkehr" Part XXI/1 "Commodities based on natural and synthetic rubber in contact with food".

2.21. SPECIFIC MIGRATION OF PRIMARY AROMATIC AMINE TEST FOR RUBBER

Test method: As specified in Resolution AP **(**2004)4 and Recommendation of the BfR "Kunststoffe im Lebensmittelverkehr" Part XXI/1 "Commodities based on natural and synthetic rubber in contact with food"; the sample (s) were migrated with food stimulant, followed by Ultraviolet–visible Specphotometer **(**UV-Vis) analysis.

Testing condition and simulant: 3% acetic acid at 70 °C for 2 hour (s).

Surface area to Volume ratio: 6dm^2 : 1000ml

Test Item	Result [mg/kg]		Requirement [mg/kg]
	Sample 031	Sample 041	
Migration of Primary Aromatic Amine	< 0.01	< 0.01	Not Detected (< 0.01)

Testing condition and simulant: Distilled water at 100 °C for 2 hour (s).

Surface area to Volume ratio: 6dm^2 : 1000ml

Test Item	Result [mg/kg]	Requirement [mg/kg]
	Sample 051	
Migration of Primary Aromatic Amine	< 0.01	Not Detected (< 0.01)

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from Resolution AP(2004)4.

Testing condition and simulant: 3% acetic acid at 40 °C for 24 hour (s).
Surface area to Volume ratio: 6dm² : 1000ml

Test Item	Result [mg/L]		Requirement [mg/L]
	Sample 031	Sample 041	
Migration of Primary Aromatic Amine	< 0.01	< 0.01	Not Detected (< 0.01)

Testing condition and simulant: Distilled water at 40 °C for 24 hour (s).
Surface area to Volume ratio: 6dm² : 1000ml

Test Item	Result [mg/L]	Requirement [mg/L]
	Sample 051	
Migration of Primary Aromatic Amine	< 0.01	Not Detected (< 0.01)

Note:

- "mg/L" denotes milligram per liter.
- The specification was quoted from Recommendation of the BfR "Kunststoffe im Lebensmittelverkehr" Part XXI/1 "Commodities based on natural and synthetic rubber in contact with food".

Test method: As specified in Recommendation of the BfR “Kunststoffe im Lebensmittelverkehr” Part XXI/1 “Commodities based on natural and synthetic rubber in contact with food”; the sample (s) were migrated with food stimulant, followed by Liquid Chromatography with Tandem Mass Spectrometry Detection (LC-MS/MS) analysis.

Testing condition and simulant: 3% acetic acid at 40 °C for 24 hour (s).

Surface area to Volume ratio: 6dm^2 : 1000ml

No.	Test Item	CAS No.	Result [mg/L]		Requirement [mg/L]
			Sample 031	Sample 041	
1	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1	<0.002	<0.002	< 0.002
2	Benzidine	92-87-5	<0.002	<0.002	< 0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	<0.002	< 0.002
4	2-naphthylamine	91-59-8	<0.002	<0.002	< 0.002
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	<0.002	<0.002	< 0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	<0.002	< 0.002
7	4-chloroaniline	106-47-8	<0.002	<0.002	< 0.002
8	4-methoxy-m-phenylenediamine	615-05-4	<0.002	<0.002	< 0.002
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	<0.002	<0.002	< 0.002
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	<0.002	<0.002	< 0.002
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	<0.002	<0.002	< 0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	<0.002	<0.002	< 0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	<0.002	< 0.002
14	6-methoxy-m-toluidine p-cresidine	120-71-8	<0.002	<0.002	< 0.002
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	<0.002	<0.002	< 0.002
16	4,4'-oxydianiline	101-80-4	<0.002	<0.002	< 0.002
17	4,4'-thiodianiline	139-65-1	<0.002	<0.002	< 0.002
18	o-toluidine 2-aminotoluene	95-53-4	<0.002	<0.002	< 0.002
19	4-methyl-m-phenylenediamine	95-80-7	<0.002	<0.002	< 0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	<0.002	< 0.002
21	o-anisidine 2-methoxyaniline	90-04-0	<0.002	<0.002	< 0.002
22	4-amino azobenzene	60-09-3	<0.002	<0.002	< 0.002
23	1,5- Diaminenaphthalene	2243-62-1	<0.002	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/L]		Requirement [mg/L]
			Sample 031	Sample 041	
24	Aniline (ANL)	62-53-3	<0.002	<0.002	< 0.002
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	<0.002	<0.002	< 0.002
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	<0.002	<0.002	< 0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	<0.002	<0.002	< 0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	<0.002	<0.002	< 0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	<0.002	<0.002	< 0.002

Note:

- "mg/L" denotes milligram per liter.
- The specification was quoted from Recommendation of the BfR "Kunststoffe im Lebensmittelverkehr" Part XXI/1 "Commodities based on natural and synthetic rubber in contact with food".

Test method: As specified in Recommendation of the BfR "Kunststoffe im Lebensmittelverkehr" Part XXI/1 "Commodities based on natural and synthetic rubber in contact with food"; the sample(s) were migrated with food stimulant, followed by Liquid Chromatography with Tandem Mass Spectrometry Detection(LC-MS/MS) analysis.

Testing condition and simulant: Distilled water at 40 °C for 24 hour (s).

Surface area to Volume ratio: 6dm^2 : 1000ml

No.	Test Item	CAS No.	Result [mg/L]	Requirement [mg/L]
			Sample 051	
1	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1	<0.002	< 0.002
2	Benzidine	92-87-5	<0.002	< 0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	< 0.002
4	2-naphthylamine	91-59-8	<0.002	< 0.002
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	<0.002	< 0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	< 0.002
7	4-chloroaniline	106-47-8	<0.002	< 0.002
8	4-methoxy-m-phenylenediamine	615-05-4	<0.002	< 0.002
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	<0.002	< 0.002
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	<0.002	< 0.002
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	<0.002	< 0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	<0.002	< 0.002

No.	Test Item	CAS No.	Result [mg/L]	Requirement [mg/L]
			Sample 051	
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	< 0.002
14	6-methoxy-m-toluidine p-cresidine	120-71-8	<0.002	< 0.002
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	<0.002	< 0.002
16	4,4'-oxydianiline	101-80-4	<0.002	< 0.002
17	4,4'-thiodianiline	139-65-1	<0.002	< 0.002
18	o-toluidine 2-aminotoluene	95-53-4	<0.002	< 0.002
19	4-methyl-m-phenylenediamine	95-80-7	<0.002	< 0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	< 0.002
21	o-anisidine 2-methoxyaniline	90-04-0	<0.002	< 0.002
22	4-amino azobenzene	60-09-3	<0.002	< 0.002
23	1,5- Diaminenaphthalene	2243-62-01	<0.002	< 0.002
24	Aniline (ANL)	62-53-3	<0.002	< 0.002
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	<0.002	< 0.002
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	<0.002	< 0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	<0.002	< 0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	<0.002	< 0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	<0.002	< 0.002

Note:

- "mg/L" denotes milligram per liter.
- The specification was quoted from Recommendation of the BfR "Kunststoffe im Lebensmittelverkehr" Part XXI/1 "Commodities based on natural and synthetic rubber in contact with food".

2.22. SPECIFIC MIGRATION OF FORMALDEHYDE TEST FOR RUBBER

Test method: As specified in Recommendation of the BfR “Kunststoffe im Lebensmittelverkehr” Part XXI/1 “Commodities based on natural and synthetic rubber in contact with food”; the sample (s) were extracted with food simulant, followed by Ultraviolet–visible spectroscopy (UV-Vis) analysis.

Testing condition and simulant: 3% acetic acid at 40 °C for 24 hour (s).

Surface area to Volume ratio: 6dm^2 : 1000ml

Test Item	CAS No.	Result [mg/L]		Requirement [mg/L]
		Sample 031	Sample 041	
Migration of Formaldehyde	50-00-0	< 0.3	< 0.3	≤ 3

Testing condition and simulant: Distilled water at 40 °C for 24 hour (s).

Surface area to Volume ratio: 6dm^2 : 1000ml

Test Item	CAS No.	Result [mg/L]	Requirement [mg/L]
		Sample 051	
Migration of Formaldehyde	50-00-0	< 0.3	≤ 3

Note:

- “mg/L” denotes milligram per litre.
- The specification was quoted from Recommendation of the BfR “Kunststoffe im Lebensmittelverkehr” Part XXI/1 “Commodities based on natural and synthetic rubber in contact with food”.

2.23. SPECIFIC MIGRATION OF ALUMINIUM, LEAD AND ZINC TEST FOR RUBBER

Test method: As specified in Recommendation of the BfR "Kunststoffe im Lebensmittelverkehr" Part XXI/1 "Commodities based on natural and synthetic rubber in contact with food"; the sample (s) were migrated with food simulant, followed by Inductively Coupled Plasma Mass Spectrometry (ICP-MS) analysis.

Testing condition and simulant: 3% acetic acid at 40 °C for 24 hour (s).

Surface area to Volume ratio: 6dm^2 : 1000ml

Test Item	Result [mg/kg]		Requirement [mg/kg]
	Sample 031 (3rd migration)	Sample 041 (3rd migration)	
Migration of Aluminium (Al)	< 0.1	< 0.1	≤ 1
Migration of Zinc (Zn)	< 5	< 5	≤ 25

Test Item	Result [mg/kg]		Requirement [mg/kg]
	Sample 031 (1st migration)	Sample 041 (1st migration)	
Migration of Lead (Pb)	< 0.01	< 0.01	≤ 0.01

Test Item	Result [mg/kg]	Requirement [mg/kg]
	Sample 051 (3rd migration)	
Migration of Aluminium (Al)	< 0.1	≤ 1
Migration of Zinc (Zn)	< 5	≤ 25

Test Item	Result [mg/kg]	Requirement [mg/kg]
	Sample 051 (1st migration)	
Migration of Lead (Pb)	< 0.01	≤ 0.01

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from Recommendation of the BfR "Kunststoffe im Lebensmittelverkehr" Part XXI/1 "Commodities based on natural and synthetic rubber in contact with food".

2.24. SPECIFIC MIGRATION OF N-NITROSAMINES AND N-NITROSATABLE SUBSTANCES FOR RUBBER

Test method: As specified in Resolution AP 2004)4; With reference to EN 13130-1:2004, followed by Liquid Chromatography with Tandem Mass Spectrometry Detection (LC-MS/MS) analysis.

Testing condition and simulant: Distilled water at 40 °C for 24 hour (s).

Surface area to Volume ratio: 6dm^2 : 1000ml

Test Item	Result [mg/kg]	
	Sample 031	
	Migration N-nitrosamines	Migration N-nitrosatable substances
N-nitrosodimethylamine (NDMA)	< 0.01	< 0.1
N-nitrosodiethylamine (NDEA)	< 0.01	< 0.1
N-nitrosodipropylamine (NDPA)	< 0.01	< 0.1
N-nitrosodiisobutylamine (NDiBA)	< 0.01	< 0.1
N-nitrosodibutylamine (NDBA)	< 0.01	< 0.1
N-nitrosopiperidine (NPIP)	< 0.01	< 0.1
N-nitrosopyrrolidine (NPYR)	< 0.01	< 0.1
N-nitrosomorpholine (NMOR)	< 0.01	< 0.1
N-nitroso N-methyl N-phenylamine (NMPhA)	< 0.01	< 0.1
N-nitroso N-ethyl N-phenylamine (NEPhA)	< 0.01	< 0.1
N-nitroso-N,N-di 3,5,5-trimethylhexyl)amine also known as N-nitrosodiisononylamine (NDiNA)	< 0.01	< 0.1
N-nitrosodibenzylamine (NDBzA)	< 0.01	< 0.1
Sum of above N-nitrosamine and N-nitrosatable substances	< 0.01	< 0.1
Requirement [mg/kg]	Not Detected (< 0.01)	Not Detected (< 0.1)

Note :

- "mg/kg" denotes milligram per kilogram.
- The specification was quoted from Resolution AP(2004)4.

Testing condition and simulant: Distilled water at 40 °C for 24 hour (s).
Surface area to Volume ratio: 6dm^2 : 1000ml

Test Item	Result [mg/kg]	
	Sample 041	
	Migration N-nitrosamines	Migration N-nitrosatable substances
N-nitrosodimethylamine (NDMA)	< 0.01	< 0.1
N-nitrosodiethylamine (NDEA)	< 0.01	< 0.1
N-nitrosodipropylamine (NDPA)	< 0.01	< 0.1
N-nitrosodiisobutylamine (NDiBA)	< 0.01	< 0.1
N-nitrosodibutylamine (NDBA)	< 0.01	< 0.1
N-nitrosopiperidine (NPIP)	< 0.01	< 0.1
N-nitrosopyrrolidine (NPYR)	< 0.01	< 0.1
N-nitrosomorpholine (NMOR)	< 0.01	< 0.1
N-nitroso N-methyl N-phenylamine (NMPhA)	< 0.01	< 0.1
N-nitroso N-ethyl N-phenylamine (NEPhA)	< 0.01	< 0.1
N-nitroso-N,N-di 3,5,5-trimethylhexyl)amine also known as N-nitrosodiisononylamine (NDiNA)	< 0.01	< 0.1
N-nitrosodibenzylamine (NDBzA)	< 0.01	< 0.1
Sum of above N-nitrosamine and N-nitrosatable substances	< 0.01	< 0.1
Requirement [mg/kg]	Not Detected (< 0.01)	Not Detected (< 0.1)

Note :

- "mg/kg" denotes milligram per kilogram.
- The specification was quoted from Resolution AP(2004)4.

Testing condition and simulant: Articial Saliva at 40 ºC for 24 hour (s).

Test Item	Result [mg/kg]	
	Sample 051	
	Migration N-nitrosamines	Migration N-nitrosatable substances
N-nitrosodimethylamine (NDMA)	< 0.01	< 0.1
N-nitrosodiethylamine (NDEA)	< 0.01	< 0.1
N-nitrosodipropylamine (NDPA)	< 0.01	< 0.1
N-nitrosodiisobutylamine (NDiBA)	< 0.01	< 0.1
N-nitrosodibutylamine (NDBA)	< 0.01	< 0.1
N-nitrosopiperidine (NPIP)	< 0.01	< 0.1
N-nitrosopyrrolidine (NPYR)	< 0.01	< 0.1
N-nitrosomorpholine (NMOR)	< 0.01	< 0.1
N-nitroso N-methyl N-phenylamine (NMPhA)	< 0.01	< 0.1
N-nitroso N-ethyl N-phenylamine (NEPhA)	< 0.01	< 0.1
N-nitroso-N,N-di 3,5,5-trimethylhexyl)amine also known as N-nitrosodiisononylamine (NDiNA)	< 0.01	< 0.1
N-nitrosodibenzylamine (NDBzA)	< 0.01	< 0.1
Sum of above N-nitrosamine and N-nitrosatable substances	< 0.01	< 0.1
Requirement [mg/kg]	Not Detected (< 0.01)	Not Detected (< 0.1)

Test method: As specified in Recommendation of the BfR “Kunststoffe im Lebensmittelverkehr” Part XXI/1 “Commodities based on natural and synthetic rubber in contact with food”; With reference to EN 13130-1:2004, followed by Liquid Chromatography with Tandem Mass Spectrometry Detection (LC-MS/MS) analysis.

Testing condition and simulant: Distilled water at 40 °C for 24 hour (s).

Surface area to Volume ratio: 6dm^2 : 1000ml

Test Item	**Result [ug/dm^2]**
	Sample 031
	Migration N-nitrosamines
N-nitrosodimethylamine (NDMA)	< 1
N-nitrosodiethylamine (NDEA)	< 1
N-nitrosodipropylamine (NDPA)	< 1
N-nitrosodiisobutylamine(NDiBA)	< 1
N-nitrosodibutylamine (NDBA)	< 1
N-nitrosopiperidine (NPIP)	< 1
N-nitrosopyrrolidine (NPYR)	< 1
N-nitrosomorpholine (NMOR)	< 1
N-nitroso N-methyl N-phenylamine (NMPhA)	< 1
N-nitroso N-ethyl N-phenylamine (NEPhA)	< 1
N-nitroso-N,N-di 3,5,5-trimethylhexyl)amine also known as N-nitrosodiisononylamine (NDiNA)	< 1
N-nitrosodibenzylamine (NDBzA)	< 1
Sum of above N-nitrosamines	< 1
Requirement [ug/dm^2]	Not Detected (< 1)

Note :

- “ug/dm^2” denotes microgramme per square decimeter.
- The specification was quoted from Recommendation of the BfR “Kunststoffe im Lebensmittelverkehr” Part XXI/1 “Commodities based on natural and synthetic rubber in contact with food”.

Testing condition and simulant: Distilled water at 40 °C for 24 hour (s).
Surface area to Volume ratio: 6dm² : 1000ml

Test Item	Result [ug/dm²]
	Sample 041
	Migration N-nitrosamines
N-nitrosodimethylamine (NDMA)	< 1
N-nitrosodiethylamine (NDEA)	< 1
N-nitrosodipropylamine (NDPA)	< 1
N-nitrosodiisobutylamine(NDiBA)	< 1
N-nitrosodibutylamine (NDBA)	< 1
N-nitrosopiperidine (NPIP)	< 1
N-nitrosopyrrolidine (NPYR)	< 1
N-nitrosomorpholine (NMOR)	< 1
N-nitroso N-methyl N-phenylamine (NMPhA)	< 1
N-nitroso N-ethyl N-phenylamine (NEPhA)	< 1
N-nitroso-N,N-di 3,5,5-trimethylhexyl)amine also known as N-nitrosodiisononylamine (NDiNA)	< 1
N-nitrosodibenzylamine (NDBzA)	< 1
Sum of above N-nitrosamines	< 1
Requirement [ug/dm²]	Not Detected (< 1)

Note :

- "ug/dm²" denotes microgramme per square decimeter.
- The specification was quoted from Recommendation of the BfR "Kunststoffe im Lebensmittelverkehr" Part XXI/1 "Commodities based on natural and synthetic rubber in contact with food".

Testing condition and simulant: Articial Saliva at 40 ºC for 24 hour (s).

Test Item	Result [ug/dm²]
	Sample 051
N-nitrosodimethylamine (NDMA)	< 1
N-nitrosodiethylamine (NDEA)	< 1
N-nitrosodipropylamine (NDPA)	< 1
N-nitrosodiisobutylamine(NDiBA)	< 1
N-nitrosodibutylamine (NDBA)	< 1
N-nitrosopiperidine (NPIP)	< 1
N-nitrosopyrrolidine (NPYR)	< 1
N-nitrosomorpholine (NMOR)	< 1
N-nitroso N-methyl N-phenylamine (NMPhA)	< 1
N-nitroso N-ethyl N-phenylamine (NEPhA)	< 1
N-nitroso-N,N-di 3,5,5-trimethylhexyl)amine also known as N-nitrosodiisononylamine (NDiNA)	< 1
N-nitrosodibenzylamine (NDBzA)	< 1
Sum of above N-nitrosamines	< 1
Requirement [ug/dm²]	Not Detected (< 1)

Note :

- "ug/dm²" denotes microgramme per square decimeter.
- The specification was quoted from Recommendation of the BfR "Kunststoffe im Lebensmittelverkehr" Part XXI/1 "Commodities based on natural and synthetic rubber in contact with food".

2.25. SPECIFIC MIGRATION OF 21 HEAVY METALS TEST FOR METAL AND METAL ALLOY

Test method: The sample (s) were extracted with food simulant , followed by Inductively Coupled Plasma Mass Spectrometry(ICP-MS) analysis.

Testing condition and simulant: artificial tap water at 40 °C for 10 day (s).

Surface area to Volume ratio: 0.29 dm^2 : 48 ml

No.	Test Item		Result [mg/kg]		Requirement [mg/kg]	
			Sample 021			
			1st+2nd migration	3rd migration	1st+2nd migration	3rd migration
1.	Barium	(Ba)	<0.2	<0.1	≤ 8.4	≤ 1.2
2.	Copper	(Cu)	<0.2	<0.1	≤ 28	≤ 4
3.	Iron	(Fe)	<0.2	<0.1	≤ 280	≤ 40
4.	Tin	(Sn)	<1.0	<0.5	≤ 700	≤ 100
5.	Chromium	(Cr)	<0.1	<0.05	≤ 1.75	≤ 0.250
6.	Manganese	(Mn)	<0.2	<0.1	≤ 12.6	≤ 1.8
7.	Zinc	(Zn)	<0.2	<0.1	≤ 35	≤ 5
8.	Aluminum	(Al)	<0.2	<0.1	≤ 35	≤ 5
9.	Lithium	(Li)	<0.01	<0.005	≤ 0.336	≤ 0.048
10.	Beryllium	(Be)	<0.004	<0.002	≤ 0.07	≤ 0.01
11.	Vanadium	(V)	<0.004	<0.002	≤ 0.07	≤ 0.01
12.	Nickel	(Ni)	<0.1	<0.05	≤ 0.98	≤ 0.14
13.	Cobalt	(Co)	<0.004	<0.002	≤ 0.14	≤ 0.02
14.	Arsenic	(As)	<0.0008	<0.0004	≤ 0.014	≤ 0.002
15.	Molybdenum	(Mo)	<0.004	<0.002	≤ 0.84	≤ 0.12
16.	Silver	(Ag)	<0.004	<0.002	≤ 0.56	≤ 0.08
17.	Cadmium	(Cd)	<0.0008	<0.0004	≤ 0.035	≤ 0.005
18.	Antimony	(Sb)	<0.01	<0.005	≤ 0.28	≤ 0.04
19.	Mercury	(Hg)	<0.001	<0.0005	≤ 0.021	≤ 0.003
20.	Thallium	(Tl)	<0.0002	<0.0001	≤ 0.0007	≤ 0.0001
21.	Lead	(Pb)	<0.02	<0.01	≤ 0.07	≤ 0.010

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from European Directorate for the Quality of Medicines & Healthcare Technical guide Resolution CM/Res (2013)9.

(Continued)

Testing condition and simulant: artificial tap water at 100 °C for 2 hour (s).

Surface area to Volume ratio: 0.50 dm^2 : 84 ml

No.	Test Item		Result [mg/kg] Sample 022		Requirement [mg/kg]	
			1st+2nd migration	3rd migration	1st+2nd migration	3rd migration
1.	Barium	(Ba)	<0.2	<0.1	≤ 8.4	≤ 1.2
2.	Copper	(Cu)	<0.2	<0.1	≤ 28	≤ 4
3.	Iron	(Fe)	<0.2	<0.1	≤ 280	≤ 40
4.	Tin	(Sn)	<1.0	<0.5	≤ 700	≤ 100
5.	Chromium	(Cr)	<0.1	<0.05	≤ 1.75	≤ 0.250
6.	Manganese	(Mn)	<0.2	<0.1	≤ 12.6	≤ 1.8
7.	Zinc	(Zn)	<0.2	<0.1	≤ 35	≤ 5
8.	Aluminum	(Al)	<0.2	<0.1	≤ 35	≤ 5
9.	Lithium	(Li)	<0.01	<0.005	≤ 0.336	≤ 0.048
10.	Beryllium	(Be)	<0.004	<0.002	≤ 0.07	≤ 0.01
11.	Vanadium	(V)	<0.004	<0.002	≤ 0.07	≤ 0.01
12.	Nickel	(Ni)	<0.1	<0.05	≤ 0.98	≤ 0.14
13.	Cobalt	(Co)	<0.004	<0.002	≤ 0.14	≤ 0.02
14.	Arsenic	(As)	<0.0008	<0.0004	≤ 0.014	≤ 0.002
15.	Molybdenum	(Mo)	<0.004	<0.002	≤ 0.84	≤ 0.12
16.	Silver	(Ag)	<0.004	<0.002	≤ 0.56	≤ 0.08
17.	Cadmium	(Cd)	<0.0008	<0.0004	≤ 0.035	≤ 0.005
18.	Antimony	(Sb)	<0.01	<0.005	≤ 0.28	≤ 0.04
19.	Mercury	(Hg)	<0.001	<0.0005	≤ 0.021	≤ 0.003
20.	Thallium	(Tl)	<0.0002	<0.0001	≤ 0.0007	≤ 0.0001
21.	Lead	(Pb)	<0.02	<0.01	≤ 0.07	≤ 0.010

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from European Directorate for the Quality of Medicines & Healthcare Technical guide Resolution CM/Res (2013)9.

(Continued)

Testing condition and simulant: artificial tap water at 40 °C for 10 day (s).

Surface area to Volume ratio: 0.21 dm^2 : 35 ml

No.	Test Item		Result [mg/kg] Sample 023		Requirement [mg/kg]	
			1st+2nd migration	3rd migration	1st+2nd migration	3rd migration
1.	Barium	(Ba)	<0.2	<0.1	≤ 8.4	≤ 1.2
2.	Copper	(Cu)	<0.2	<0.1	≤ 28	≤ 4
3.	Iron	(Fe)	<0.2	<0.1	≤ 280	≤ 40
4.	Tin	(Sn)	<1.0	<0.5	≤ 700	≤ 100
5.	Chromium	(Cr)	<0.1	<0.05	≤ 1.75	≤ 0.250
6.	Manganese	(Mn)	<0.2	<0.1	≤ 12.6	≤ 1.8
7.	Zinc	(Zn)	<0.2	<0.1	≤ 35	≤ 5
8.	Aluminum	(Al)	<0.2	<0.1	≤ 35	≤ 5
9.	Lithium	(Li)	<0.01	<0.005	≤ 0.336	≤ 0.048
10.	Beryllium	(Be)	<0.004	<0.002	≤ 0.07	≤ 0.01
11.	Vanadium	(V)	<0.004	<0.002	≤ 0.07	≤ 0.01
12.	Nickel	(Ni)	<0.1	<0.05	≤ 0.98	≤ 0.14
13.	Cobalt	(Co)	<0.004	<0.002	≤ 0.14	≤ 0.02
14.	Arsenic	(As)	<0.0008	<0.0004	≤ 0.014	≤ 0.002
15.	Molybdenum	(Mo)	<0.004	<0.002	≤ 0.84	≤ 0.12
16.	Silver	(Ag)	<0.004	<0.002	≤ 0.56	≤ 0.08
17.	Cadmium	(Cd)	<0.0008	<0.0004	≤ 0.035	≤ 0.005
18.	Antimony	(Sb)	<0.01	<0.005	≤ 0.28	≤ 0.04
19.	Mercury	(Hg)	<0.001	<0.0005	≤ 0.021	≤ 0.003
20.	Thallium	(Tl)	<0.0002	<0.0001	≤ 0.0007	≤ 0.0001
21.	Lead	(Pb)	<0.02	<0.01	≤ 0.07	≤ 0.010

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from European Directorate for the Quality of Medicines & Healthcare Technical guide Resolution CM/Res (2013)9.

(Continued)

Testing condition and simulant: artificial tap water at 40 °C for 10 day(s).

Surface area to Volume ratio:0.26 dm^2 : 43 ml

No.	Test Item		Result [mg/kg] Sample 024		Requirement [mg/kg]	
			1st+2nd migration	3rd migration	1st+2nd migration	3rd migration
1.	Barium	(Ba)	<0.2	<0.1	≤ 8.4	≤ 1.2
2.	Copper	(Cu)	<0.2	<0.1	≤ 28	≤ 4
3.	Iron	(Fe)	<0.2	<0.1	≤ 280	≤ 40
4.	Tin	(Sn)	<1.0	<0.5	≤ 700	≤ 100
5.	Chromium	(Cr)	<0.1	<0.05	≤ 1.75	≤ 0.250
6.	Manganese	(Mn)	<0.2	<0.1	≤ 12.6	≤ 1.8
7.	Zinc	(Zn)	<0.2	<0.1	≤ 35	≤ 5
8.	Aluminum	(Al)	<0.2	<0.1	≤ 35	≤ 5
9.	Lithium	(Li)	<0.01	<0.005	≤ 0.336	≤ 0.048
10.	Beryllium	(Be)	<0.004	<0.002	≤ 0.07	≤ 0.01
11.	Vanadium	(V)	<0.004	<0.002	≤ 0.07	≤ 0.01
12.	Nickel	(Ni)	<0.1	<0.05	≤ 0.98	≤ 0.14
13.	Cobalt	(Co)	<0.004	<0.002	≤ 0.14	≤ 0.02
14.	Arsenic	(As)	<0.0008	<0.0004	≤ 0.014	≤ 0.002
15.	Molybdenum	(Mo)	<0.004	<0.002	≤ 0.84	≤ 0.12
16.	Silver	(Ag)	<0.004	<0.002	≤ 0.56	≤ 0.08
17.	Cadmium	(Cd)	<0.0008	<0.0004	≤ 0.035	≤ 0.005
18.	Antimony	(Sb)	<0.01	<0.005	≤ 0.28	≤ 0.04
19.	Mercury	(Hg)	<0.001	<0.0005	≤ 0.021	≤ 0.003
20.	Thallium	(Tl)	<0.0002	<0.0001	≤ 0.0007	≤ 0.0001
21.	Lead	(Pb)	<0.02	<0.01	≤ 0.07	≤ 0.010

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from European Directorate for the Quality of Medicines & Healthcare Technical guide Resolution CM/Res (2013)9.

(Continued)

Testing condition and simulant: artificial tap water at 100 °C for 2 hour (s).

Surface area to Volume ratio: 0.35 dm^2 : 58 ml

No.	Test Item		Result [mg/kg] Sample 025		Requirement [mg/kg]	
			1st+2nd migration	3rd migration	1st+2nd migration	3rd migration
1.	Barium	(Ba)	<0.2	<0.1	≤ 8.4	≤ 1.2
2.	Copper	(Cu)	<0.2	<0.1	≤ 28	≤ 4
3.	Iron	(Fe)	<0.2	<0.1	≤ 280	≤ 40
4.	Tin	(Sn)	<1.0	<0.5	≤ 700	≤ 100
5.	Chromium	(Cr)	<0.1	<0.05	≤ 1.75	≤ 0.250
6.	Manganese	(Mn)	<0.2	<0.1	≤ 12.6	≤ 1.8
7.	Zinc	(Zn)	<0.2	<0.1	≤ 35	≤ 5
8.	Aluminum	(Al)	<0.2	<0.1	≤ 35	≤ 5
9.	Lithium	(Li)	<0.01	<0.005	≤ 0.336	≤ 0.048
10.	Beryllium	(Be)	<0.004	<0.002	≤ 0.07	≤ 0.01
11.	Vanadium	(V)	<0.004	<0.002	≤ 0.07	≤ 0.01
12.	Nickel	(Ni)	<0.1	<0.05	≤ 0.98	≤ 0.14
13.	Cobalt	(Co)	<0.004	<0.002	≤ 0.14	≤ 0.02
14.	Arsenic	(As)	<0.0008	<0.0004	≤ 0.014	≤ 0.002
15.	Molybdenum	(Mo)	<0.004	<0.002	≤ 0.84	≤ 0.12
16.	Silver	(Ag)	<0.004	<0.002	≤ 0.56	≤ 0.08
17.	Cadmium	(Cd)	<0.0008	<0.0004	≤ 0.035	≤ 0.005
18.	Antimony	(Sb)	<0.01	<0.005	≤ 0.28	≤ 0.04
19.	Mercury	(Hg)	<0.001	<0.0005	≤ 0.021	≤ 0.003
20.	Thallium	(Tl)	<0.0002	<0.0001	≤ 0.0007	≤ 0.0001
21.	Lead	(Pb)	<0.02	<0.01	≤ 0.07	≤ 0.010

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from European Directorate for the Quality of Medicines & Healthcare Technical guide Resolution CM/Res (2013)9.

(Continued)

Testing condition and simulant: artificial tap water at 70 °C for 2 hour (s).

Surface area to Volume ratio: 0.43 dm^2 : 72 ml

No.	Test Item		Result [mg/kg] Sample 026		Requirement [mg/kg]	
			1st+2nd migration	3rd migration	1st+2nd migration	3rd migration
1.	Barium	(Ba)	<0.2	<0.1	≤ 8.4	≤ 1.2
2.	Copper	(Cu)	<0.2	<0.1	≤ 28	≤ 4
3.	Iron	(Fe)	<0.2	<0.1	≤ 280	≤ 40
4.	Tin	(Sn)	<1.0	<0.5	≤ 700	≤ 100
5.	Chromium	(Cr)	<0.1	<0.05	≤ 1.75	≤ 0.250
6.	Manganese	(Mn)	<0.2	<0.1	≤ 12.6	≤ 1.8
7.	Zinc	(Zn)	<0.2	<0.1	≤ 35	≤ 5
8.	Aluminum	(Al)	<0.2	<0.1	≤ 35	≤ 5
9.	Lithium	(Li)	<0.01	<0.005	≤ 0.336	≤ 0.048
10.	Beryllium	(Be)	<0.004	<0.002	≤ 0.07	≤ 0.01
11.	Vanadium	(V)	<0.004	<0.002	≤ 0.07	≤ 0.01
12.	Nickel	(Ni)	<0.1	<0.05	≤ 0.98	≤ 0.14
13.	Cobalt	(Co)	<0.004	<0.002	≤ 0.14	≤ 0.02
14.	Arsenic	(As)	<0.0008	<0.0004	≤ 0.014	≤ 0.002
15.	Molybdenum	(Mo)	<0.004	<0.002	≤ 0.84	≤ 0.12
16.	Silver	(Ag)	<0.004	<0.002	≤ 0.56	≤ 0.08
17.	Cadmium	(Cd)	<0.0008	<0.0004	≤ 0.035	≤ 0.005
18.	Antimony	(Sb)	<0.01	<0.005	≤ 0.28	≤ 0.04
19.	Mercury	(Hg)	<0.001	<0.0005	≤ 0.021	≤ 0.003
20.	Thallium	(Tl)	<0.0002	<0.0001	≤ 0.0007	≤ 0.0001
21.	Lead	(Pb)	<0.02	<0.01	≤ 0.07	≤ 0.010

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from European Directorate for the Quality of Medicines & Healthcare Technical guide Resolution CM/Res (2013)9.

(Continued)

Testing condition and simulant: artificial tap water at 100 °C for 2 hour (s).

Surface area to Volume ratio: 0.29 dm^2 : 48 ml

No.	Test Item		Result [mg/kg] Sample 027		Requirement [mg/kg]	
			1st+2nd migration	3rd migration	1st+2nd migration	3rd migration
1.	Barium	(Ba)	<0.2	<0.1	≤ 8.4	≤ 1.2
2.	Copper	(Cu)	<0.2	<0.1	≤ 28	≤ 4
3.	Iron	(Fe)	<0.2	<0.1	≤ 280	≤ 40
4.	Tin	(Sn)	<1.0	<0.5	≤ 700	≤ 100
5.	Chromium	(Cr)	<0.1	<0.05	≤ 1.75	≤ 0.250
6.	Manganese	(Mn)	<0.2	<0.1	≤ 12.6	≤ 1.8
7.	Zinc	(Zn)	<0.2	<0.1	≤ 35	≤ 5
8.	Aluminum	(Al)	<0.2	<0.1	≤ 35	≤ 5
9.	Lithium	(Li)	<0.01	<0.005	≤ 0.336	≤ 0.048
10.	Beryllium	(Be)	<0.004	<0.002	≤ 0.07	≤ 0.01
11.	Vanadium	(V)	<0.004	<0.002	≤ 0.07	≤ 0.01
12.	Nickel	(Ni)	<0.1	<0.05	≤ 0.98	≤ 0.14
13.	Cobalt	(Co)	<0.004	<0.002	≤ 0.14	≤ 0.02
14.	Arsenic	(As)	<0.0008	<0.0004	≤ 0.014	≤ 0.002
15.	Molybdenum	(Mo)	<0.004	<0.002	≤ 0.84	≤ 0.12
16.	Silver	(Ag)	<0.004	<0.002	≤ 0.56	≤ 0.08
17.	Cadmium	(Cd)	<0.0008	<0.0004	≤ 0.035	≤ 0.005
18.	Antimony	(Sb)	<0.01	<0.005	≤ 0.28	≤ 0.04
19.	Mercury	(Hg)	<0.001	<0.0005	≤ 0.021	≤ 0.003
20.	Thallium	(Tl)	<0.0002	<0.0001	≤ 0.0007	≤ 0.0001
21.	Lead	(Pb)	<0.02	<0.01	≤ 0.07	≤ 0.010

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from European Directorate for the Quality of Medicines & Healthcare Technical guide Resolution CM/Res (2013)9.

(Continued)

Testing condition and simulant: artificial tap water at 100 °C for 2 hour (s).

Surface area to Volume ratio: 0.77 dm^2 : 129 ml

No.	Test Item		Result [mg/kg] Sample 028		Requirement [mg/kg]	
			1st+2nd migration	3rd migration	1st+2nd migration	3rd migration
1.	Barium	(Ba)	<0.2	<0.1	≤ 8.4	≤ 1.2
2.	Copper	(Cu)	<0.2	<0.1	≤ 28	≤ 4
3.	Iron	(Fe)	<0.2	<0.1	≤ 280	≤ 40
4.	Tin	(Sn)	<1.0	<0.5	≤ 700	≤ 100
5.	Chromium	(Cr)	<0.1	<0.05	≤ 1.75	≤ 0.250
6.	Manganese	(Mn)	<0.2	<0.1	≤ 12.6	≤ 1.8
7.	Zinc	(Zn)	<0.2	<0.1	≤ 35	≤ 5
8.	Aluminum	(Al)	<0.2	<0.1	≤ 35	≤ 5
9.	Lithium	(Li)	<0.01	<0.005	≤ 0.336	≤ 0.048
10.	Beryllium	(Be)	<0.004	<0.002	≤ 0.07	≤ 0.01
11.	Vanadium	(V)	<0.004	<0.002	≤ 0.07	≤ 0.01
12.	Nickel	(Ni)	<0.1	<0.05	≤ 0.98	≤ 0.14
13.	Cobalt	(Co)	<0.004	<0.002	≤ 0.14	≤ 0.02
14.	Arsenic	(As)	<0.0008	<0.0004	≤ 0.014	≤ 0.002
15.	Molybdenum	(Mo)	<0.004	<0.002	≤ 0.84	≤ 0.12
16.	Silver	(Ag)	<0.004	<0.002	≤ 0.56	≤ 0.08
17.	Cadmium	(Cd)	<0.0008	<0.0004	≤ 0.035	≤ 0.005
18.	Antimony	(Sb)	<0.01	<0.005	≤ 0.28	≤ 0.04
19.	Mercury	(Hg)	<0.001	<0.0005	≤ 0.021	≤ 0.003
20.	Thallium	(Tl)	<0.0002	<0.0001	≤ 0.0007	≤ 0.0001
21.	Lead	(Pb)	<0.02	<0.01	≤ 0.07	≤ 0.010

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from European Directorate for the Quality of Medicines & Healthcare Technical guide Resolution CM/Res (2013)9.

(Continued)

Testing condition and simulant: artificial tap water at 40 °C for 10 day (s).

Surface area to Volume ratio: 0.51 dm^2 : 85 ml

No.	Test Item		Result [mg/kg]		Requirement [mg/kg]	
			Sample 029			
			1st+2nd migration	3rd migration	1st+2nd migration	3rd migration
1.	Barium	(Ba)	<0.2	<0.1	≤ 8.4	≤ 1.2
2.	Copper	(Cu)	<0.2	<0.1	≤ 28	≤ 4
3.	Iron	(Fe)	<0.2	<0.1	≤ 280	≤ 40
4.	Tin	(Sn)	<1.0	<0.5	≤ 700	≤ 100
5.	Chromium	(Cr)	<0.1	<0.05	≤ 1.75	≤ 0.250
6.	Manganese	(Mn)	<0.2	<0.1	≤ 12.6	≤ 1.8
7.	Zinc	(Zn)	<0.2	<0.1	≤ 35	≤ 5
8.	Aluminum	(Al)	<0.2	<0.1	≤ 35	≤ 5
9.	Lithium	(Li)	<0.01	<0.005	≤ 0.336	≤ 0.048
10.	Beryllium	(Be)	<0.004	<0.002	≤ 0.07	≤ 0.01
11.	Vanadium	(V)	<0.004	<0.002	≤ 0.07	≤ 0.01
12.	Nickel	(Ni)	<0.1	<0.05	≤ 0.98	≤ 0.14
13.	Cobalt	(Co)	<0.004	<0.002	≤ 0.14	≤ 0.02
14.	Arsenic	(As)	<0.0008	<0.0004	≤ 0.014	≤ 0.002
15.	Molybdenum	(Mo)	<0.004	<0.002	≤ 0.84	≤ 0.12
16.	Silver	(Ag)	<0.004	<0.002	≤ 0.56	≤ 0.08
17.	Cadmium	(Cd)	<0.0008	<0.0004	≤ 0.035	≤ 0.005
18.	Antimony	(Sb)	<0.01	<0.005	≤ 0.28	≤ 0.04
19.	Mercury	(Hg)	<0.001	<0.0005	≤ 0.021	≤ 0.003
20.	Thallium	(Tl)	<0.0002	<0.0001	≤ 0.0007	≤ 0.0001
21.	Lead	(Pb)	<0.02	<0.01	≤ 0.07	≤ 0.010

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from European Directorate for the Quality of Medicines & Healthcare Technical guide Resolution CM/Res (2013)9.

(Continued)

Testing condition and simulant: artificial tap water at 100 °C for 2 hour (s).

Surface area to Volume ratio: 0.24 dm^2 : 40 ml

No.	Test Item		Result [mg/kg] Sample 030		Requirement [mg/kg]	
			1st+2nd migration	3rd migration	1st+2nd migration	3rd migration
1.	Barium	(Ba)	<0.2	<0.1	≤ 8.4	≤ 1.2
2.	Copper	(Cu)	<0.2	<0.1	≤ 28	≤ 4
3.	Iron	(Fe)	<0.2	<0.1	≤ 280	≤ 40
4.	Tin	(Sn)	<1.0	<0.5	≤ 700	≤ 100
5.	Chromium	(Cr)	<0.1	<0.05	≤ 1.75	≤ 0.250
6.	Manganese	(Mn)	<0.2	<0.1	≤ 12.6	≤ 1.8
7.	Zinc	(Zn)	<0.2	<0.1	≤ 35	≤ 5
8.	Aluminum	(Al)	<0.2	<0.1	≤ 35	≤ 5
9.	Lithium	(Li)	<0.01	<0.005	≤ 0.336	≤ 0.048
10.	Beryllium	(Be)	<0.004	<0.002	≤ 0.07	≤ 0.01
11.	Vanadium	(V)	<0.004	<0.002	≤ 0.07	≤ 0.01
12.	Nickel	(Ni)	<0.1	<0.05	≤ 0.98	≤ 0.14
13.	Cobalt	(Co)	<0.004	<0.002	≤ 0.14	≤ 0.02
14.	Arsenic	(As)	<0.0008	<0.0004	≤ 0.014	≤ 0.002
15.	Molybdenum	(Mo)	<0.004	<0.002	≤ 0.84	≤ 0.12
16.	Silver	(Ag)	<0.004	<0.002	≤ 0.56	≤ 0.08
17.	Cadmium	(Cd)	<0.0008	<0.0004	≤ 0.035	≤ 0.005
18.	Antimony	(Sb)	<0.01	<0.005	≤ 0.28	≤ 0.04
19.	Mercury	(Hg)	<0.001	<0.0005	≤ 0.021	≤ 0.003
20.	Thallium	(Tl)	<0.0002	<0.0001	≤ 0.0007	≤ 0.0001
21.	Lead	(Pb)	<0.02	<0.01	≤ 0.07	≤ 0.010

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from European Directorate for the Quality of Medicines & Healthcare Technical guide Resolution CM/Res (2013)9.

(Continued)

Testing condition and simulant: artificial tap water at 70 °C for 2 hour (s).

Surface area to Volume ratio: 0.23 dm^2 : 38 ml

No.	Test Item		Result [mg/kg] Sample 042		Requirement [mg/kg]	
			1st+2nd migration	3rd migration	1st+2nd migration	3rd migration
1.	Barium	(Ba)	<0.2	<0.1	≤ 8.4	≤ 1.2
2.	Copper	(Cu)	<0.2	<0.1	≤ 28	≤ 4
3.	Iron	(Fe)	<0.2	<0.1	≤ 280	≤ 40
4.	Tin	(Sn)	<1.0	<0.5	≤ 700	≤ 100
5.	Chromium	(Cr)	<0.1	<0.05	≤ 1.75	≤ 0.250
6.	Manganese	(Mn)	<0.2	<0.1	≤ 12.6	≤ 1.8
7.	Zinc	(Zn)	<0.2	<0.1	≤ 35	≤ 5
8.	Aluminum	(Al)	<0.2	<0.1	≤ 35	≤ 5
9.	Lithium	(Li)	<0.01	<0.005	≤ 0.336	≤ 0.048
10.	Beryllium	(Be)	<0.004	<0.002	≤ 0.07	≤ 0.01
11.	Vanadium	(V)	<0.004	<0.002	≤ 0.07	≤ 0.01
12.	Nickel	(Ni)	<0.1	<0.05	≤ 0.98	≤ 0.14
13.	Cobalt	(Co)	<0.004	<0.002	≤ 0.14	≤ 0.02
14.	Arsenic	(As)	<0.0008	<0.0004	≤ 0.014	≤ 0.002
15.	Molybdenum	(Mo)	<0.004	<0.002	≤ 0.84	≤ 0.12
16.	Silver	(Ag)	<0.004	<0.002	≤ 0.56	≤ 0.08
17.	Cadmium	(Cd)	<0.0008	<0.0004	≤ 0.035	≤ 0.005
18.	Antimony	(Sb)	<0.01	<0.005	≤ 0.28	≤ 0.04
19.	Mercury	(Hg)	<0.001	<0.0005	≤ 0.021	≤ 0.003
20.	Thallium	(Tl)	<0.0002	<0.0001	≤ 0.0007	≤ 0.0001
21.	Lead	(Pb)	<0.02	<0.01	≤ 0.07	≤ 0.010

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from European Directorate for the Quality of Medicines & Healthcare Technical guide Resolution CM/Res (2013)9.

(Continued)

Testing condition and simulant: artificial tap water at 70 °C for 2 hour (s).

Surface area to Volume ratio: 0.44 dm^2 : 73 ml

No.	Test Item		Result [mg/kg] Sample 045		Requirement [mg/kg]	
			1st+2nd migration	3rd migration	1st+2nd migration	3rd migration
1.	Barium	(Ba)	<0.2	<0.1	≤ 8.4	≤ 1.2
2.	Copper	(Cu)	<0.2	<0.1	≤ 28	≤ 4
3.	Iron	(Fe)	<0.2	<0.1	≤ 280	≤ 40
4.	Tin	(Sn)	<1.0	<0.5	≤ 700	≤ 100
5.	Chromium	(Cr)	<0.1	<0.05	≤ 1.75	≤ 0.250
6.	Manganese	(Mn)	<0.2	<0.1	≤ 12.6	≤ 1.8
7.	Zinc	(Zn)	<0.2	<0.1	≤ 35	≤ 5
8.	Aluminum	(Al)	<0.2	<0.1	≤ 35	≤ 5
9.	Lithium	(Li)	<0.01	<0.005	≤ 0.336	≤ 0.048
10.	Beryllium	(Be)	<0.004	<0.002	≤ 0.07	≤ 0.01
11.	Vanadium	(V)	<0.004	<0.002	≤ 0.07	≤ 0.01
12.	Nickel	(Ni)	<0.1	<0.05	≤ 0.98	≤ 0.14
13.	Cobalt	(Co)	<0.004	<0.002	≤ 0.14	≤ 0.02
14.	Arsenic	(As)	<0.0008	<0.0004	≤ 0.014	≤ 0.002
15.	Molybdenum	(Mo)	<0.004	<0.002	≤ 0.84	≤ 0.12
16.	Silver	(Ag)	<0.004	<0.002	≤ 0.56	≤ 0.08
17.	Cadmium	(Cd)	<0.0008	<0.0004	≤ 0.035	≤ 0.005
18.	Antimony	(Sb)	<0.01	<0.005	≤ 0.28	≤ 0.04
19.	Mercury	(Hg)	<0.001	<0.0005	≤ 0.021	≤ 0.003
20.	Thallium	(Tl)	<0.0002	<0.0001	≤ 0.0007	≤ 0.0001
21.	Lead	(Pb)	<0.02	<0.01	≤ 0.07	≤ 0.010

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from European Directorate for the Quality of Medicines & Healthcare Technical guide Resolution CM/Res (2013)9.

(Continued)

Testing condition and simulant: artificial tap water at 100 °C for 2 hour (s).

Surface area to Volume ratio: 0.41 dm^2 : 68 ml

No.	Test Item		Result [mg/kg] Sample 052		Requirement [mg/kg]	
			1st+2nd migration	3rd migration	1st+2nd migration	3rd migration
1.	Barium	(Ba)	<0.2	<0.1	≤ 8.4	≤ 1.2
2.	Copper	(Cu)	<0.2	<0.1	≤ 28	≤ 4
3.	Iron	(Fe)	<0.2	<0.1	≤ 280	≤ 40
4.	Tin	(Sn)	<1.0	<0.5	≤ 700	≤ 100
5.	Chromium	(Cr)	<0.1	<0.05	≤ 1.75	≤ 0.250
6.	Manganese	(Mn)	<0.2	<0.1	≤ 12.6	≤ 1.8
7.	Zinc	(Zn)	<0.2	<0.1	≤ 35	≤ 5
8.	Aluminum	(Al)	<0.2	<0.1	≤ 35	≤ 5
9.	Lithium	(Li)	<0.01	<0.005	≤ 0.336	≤ 0.048
10.	Beryllium	(Be)	<0.004	<0.002	≤ 0.07	≤ 0.01
11.	Vanadium	(V)	<0.004	<0.002	≤ 0.07	≤ 0.01
12.	Nickel	(Ni)	<0.1	<0.05	≤ 0.98	≤ 0.14
13.	Cobalt	(Co)	<0.004	<0.002	≤ 0.14	≤ 0.02
14.	Arsenic	(As)	<0.0008	<0.0004	≤ 0.014	≤ 0.002
15.	Molybdenum	(Mo)	<0.004	<0.002	≤ 0.84	≤ 0.12
16.	Silver	(Ag)	<0.004	<0.002	≤ 0.56	≤ 0.08
17.	Cadmium	(Cd)	<0.0008	<0.0004	≤ 0.035	≤ 0.005
18.	Antimony	(Sb)	<0.01	<0.005	≤ 0.28	≤ 0.04
19.	Mercury	(Hg)	<0.001	<0.0005	≤ 0.021	≤ 0.003
20.	Thallium	(Tl)	<0.0002	<0.0001	≤ 0.0007	≤ 0.0001
21.	Lead	(Pb)	<0.02	<0.01	≤ 0.07	≤ 0.010

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from European Directorate for the Quality of Medicines & Healthcare Technical guide Resolution CM/Res (2013)9.

(Continued)

Testing condition and simulant: artificial tap water at 100 °C for 2 hour (s).

Surface area to Volume ratio: 0.19 dm^2 :32 ml

No.	Test Item		Result [mg/kg]		Requirement [mg/kg]	
			Sample 053			
			1st+2nd migration	3rd migration	1st+2nd migration	3rd migration
1.	Barium	(Ba)	<0.2	<0.1	≤ 8.4	≤ 1.2
2.	Copper	(Cu)	<0.2	<0.1	≤ 28	≤ 4
3.	Iron	(Fe)	<0.2	<0.1	≤ 280	≤ 40
4.	Tin	(Sn)	<1.0	<0.5	≤ 700	≤ 100
5.	Chromium	(Cr)	<0.1	<0.05	≤ 1.75	≤ 0.250
6.	Manganese	(Mn)	<0.2	<0.1	≤ 12.6	≤ 1.8
7.	Zinc	(Zn)	<0.2	<0.1	≤ 35	≤ 5
8.	Aluminum	(Al)	<0.2	<0.1	≤ 35	≤ 5
9.	Lithium	(Li)	<0.01	<0.005	≤ 0.336	≤ 0.048
10.	Beryllium	(Be)	<0.004	<0.002	≤ 0.07	≤ 0.01
11.	Vanadium	(V)	<0.004	<0.002	≤ 0.07	≤ 0.01
12.	Nickel	(Ni)	<0.1	<0.05	≤ 0.98	≤ 0.14
13.	Cobalt	(Co)	<0.004	<0.002	≤ 0.14	≤ 0.02
14.	Arsenic	(As)	<0.0008	<0.0004	≤ 0.014	≤ 0.002
15.	Molybdenum	(Mo)	<0.004	<0.002	≤ 0.84	≤ 0.12
16.	Silver	(Ag)	<0.004	<0.002	≤ 0.56	≤ 0.08
17.	Cadmium	(Cd)	<0.0008	<0.0004	≤ 0.035	≤ 0.005
18.	Antimony	(Sb)	<0.01	<0.005	≤ 0.28	≤ 0.04
19.	Mercury	(Hg)	<0.001	<0.0005	≤ 0.021	≤ 0.003
20.	Thallium	(Tl)	<0.0002	<0.0001	≤ 0.0007	≤ 0.0001
21.	Lead	(Pb)	<0.02	<0.01	≤ 0.07	≤ 0.010

Note:

- "mg/kg" denotes milligram per kilogram foodstuff.
- The specification was quoted from European Directorate for the Quality of Medicines & Healthcare Technical guide Resolution CM/Res (2013)9.

2.26. SENSORY TEST

Test method: With reference to DIN 10955: 2023. The submitted sample was treated with food stimulant. After this treatment, examined by panels with regard to any divergence in smell and taste.

Testing condition and simulant: Distilled water at working condition

No. of Judges: 6 panel

Test Item	Grading Result	Recommended Level
	Sample 057	
Transfer of Smell	1	< 3
Transfer of Taste	1	< 3

Note:

— Explanation for grading are listed as below:
Grading 0: No perceptible taste/smell deviation
Grading 1: Just perceptible taste/smell deviation
Grading 2: Weak taste/smell deviation
Grading 3: Clear taste/smell deviation
Grading 4: Strong taste/smell deviation

3. REMARK

The chemical testing was performed in TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch Chemical lab and the test results were reviewed at TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch.

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APPENDIX:
Material list:

Part name	Material	Color
Brew seal ring 2	Silicone	Black
Brew seal ring 3	Silicone	Black
Brew head seal ring	Silicone	Black
Coffee mouth seal ring	Silicone	Black
Funnel seal ring	Silicone	Black
Bean box seal ring	Silicone	Black
Coffee box seal ring	Silicone	Black
Cutter adjusting seal ring	Silicone	Red
Coffee connector seal ring	Silicone	Black
Push pole seal ring	Silicone	Black
Silicone tube	Silicone	Transparence
Elbow seal ring	Silicone	Transparence
Connector seal ring	Silicone	Red
Anti back valve seal ring	Silicone	Primitive
Connector seal ring	Silicone	Primitive
Valve seal ring	Silicone	Black
Valve stopper	Silicone	Primitive
Brewing holder	PA66 70G43L	Black
Brewing head	POM F20-03	Black
Push pole	PA66-G30 NC011	Black
Filter2	SUS304	Primitive
Valve cap	SUS304	Primitive
Valve spring	SUS304	Primitive
Connector	POM F20-03	Black
Brewing outlet connector	POM F20-03	Black
Brewing inlet connector	POM F20-03	Black
Grinder knob	ABS750SW	Black

Bean box in the cover	ABS750SW	Black
Bean box bracket	POM F20-03	Black
Handle	SUS304	Primitive
Cutter holder	PA66 R513H、SUS420	Gray/ Primitive
Taper knife	SUS420	Primitive
Cap nut	SUS304	Primitive
Spring gasket	SUS304	Primitive
Sweep powder plate	PA66 70G43L	Red
Cutter adjusting screw	PA66 R513H	Gray
Coffee passage	POM F20-03	Black
Coffee passage cover	POM F20-03	Black
Grinder motor bracket	PA66 HTG33NC	Primitive
Push pole bracket 1	ABS750SW	Black
Push pole bracket 2	ABS750SW	Black
B U Head Block	PA66 70G43L	Black
Screw	SUS304	Primitive
Washer3	SUS304	Primitive
Grinder motor gear cover	PA66 HTG33NC	Primitive
Heating boiler asm	ADC12	silvery
Teflon tube	PTFE	Transparence
Connector	PP HJ730L+30%GF	Black
Water tank cover	ABS750SW	Black
Water tank handle	AS 552485	Transparence
Water tank	AS 552485	Transparence
Anti back valve spring	SUS304	Primitive
Anti back valve	PP HJ730L	Black
Coffee mouth plate	PA66 70G43L	Black
Brewing main housing	PA66 70G43L	Black
Coffee mouth	PP HJ730L	Black
Brewing connector	PA66 70G43L	Black

Move plate	SUS304	Primitive
top cover	ABS750SW	Black
Filter picec	SUS304	Primitive
Valves	PA66 A3WG6	Primitive
Valve body	PA66 A3WG6	Primitive
Washer	PA66 A3WG6	Primitive
Inlet tube	PA66 A3WG6	Primitive
Spring	SUS304	Primitive
Spring	SUS304	Primitive
Spring	SUS304	Primitive
Spring	SUS304	Primitive
R4 Plunger	EPDM	Black
O-ring	EPDM	Black
Plunger	PFA	Primitive
O-ring	FPM	Black
O-ring	FPM	Black
Movable core	JL-31B	Primitive
Fix core	JL-31B	Primitive
Clip ping	SUS304	Primitive
Protect sleeve	PA66 70G43L	Primitive
Brewing mouth seal ring	Silicone	Primitive
Protect valve body	PA66 70G43L	Primitive
Silicone head	Silicone	Primitive
Rubber head block	PA66	Primitive
Pressure spring	SUS304	Primitive
Pressure regulating cover	PA66	Primitive
Plunger	Silicone	Red
Protect valve return connector	PA66 70G43L	Primitive
Valve body	PA66 70G43L	Primitive
Valve seal ring	FPM	Black

Spring	SUS304	Primitive
Valve seal ring 2	FPM	Black
Movable core	JL-31B	Primitive
Spring 2	SUS304	
Inlet tube	SUS304	
Fix core 2	JL-31B	
Flow meter body	PBT	Primitive
Turner	POM	Primitive
O-ring	Silicone	Primitive
Broom head	PA66	Black

---------End of Report---------