



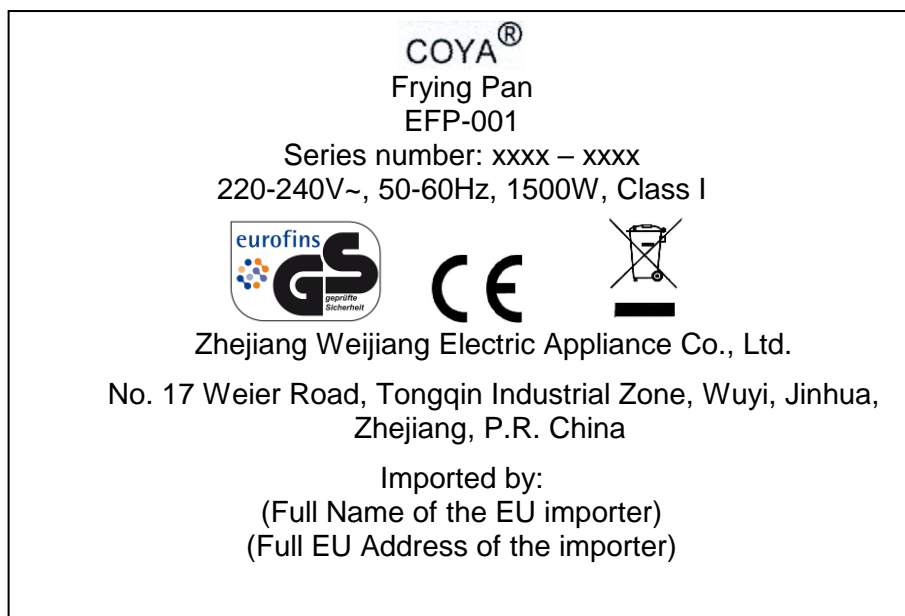
TEST REPORT IEC 60335-2-13 Safety of household and similar electrical appliances Part 2: Particular requirements for deep fat fryers, frying pans and similar appliances	
Report Number	EFSH14120797-IE-01-L01-A6
Date of issue	2014-12-26; Amendment 6: 2018-06-27
Total number of pages	16 pages
Applicant's name	Zhejiang Weijiang Electric Appliance Co., Ltd.
Address	No. 17 Weier Road, Tongqin Industrial Zone, Wuyi, Jinhua, Zhejiang, P.R. China
Test specification:	
Standard	IEC 60335-2-13:2009 (Sixth Edition) in conjunction with IEC 60335-1:2010 (Fifth Edition)
Test procedure	GS Approval + CE-LVD
Non-standard test method	N/A
Test Report Form No.	IEC60335_2_13F
Test Report Form(s) Originator	IMQ S.p.A.
Master TRF	Dated 2013-05
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This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.	
Test item description	Frying Pan
Trade Mark	COYA®
Manufacturer	Same as the applicant
Model/Type reference	EFP-001, EFP-001-A, EFP-001-B, EFP-001-C, EFP-002, EFP-002-A, EFP-005, EFP-005-A, EFP-008, EPP-28, EPP-30, EPP-34, EPP-34-A, EPP-38, EPP-38-A, EPP-40, PP-004-34, PP-004-38, PP-010, PP-010-1, EPP-28-A, EPP-30-A, EPP-30-B
Ratings	220-240V~, 50-60Hz, Class I for all models EFP-001, EFP-001-A, EFP-001-B, EFP-001-C, EFP-002, EFP-002-A, EFP-005, EFP-005-A, EFP-008, EPP-28, EPP-30, EPP-34, EPP-34-A, EPP-38, EPP-38-A, EPP-40, PP-004-34, PP-004-38, PP-010, PP-010-1, EPP-30-B: 1500W; EPP-28-A, EPP-30-A: 1000W

Testing procedure and testing location:		
<input checked="" type="checkbox"/>	Testing Laboratory:	Eurofins Product Testing Service (Shanghai) Co., Ltd.
Testing location/ address		No. 395 West Jiangchang Road, Jing'an District, Shanghai, China
<input type="checkbox"/>	Associated CB Testing Laboratory:	
Testing location/ address		N/A
Tested by (name + signature)		Jules Xu (Project Engineer)
Approved by (name + signature)		Michael Liu (Project Engineer)
		<i>Jules Xu</i>
		<i>Michael Liu</i>
<hr/>		
<input type="checkbox"/>	Testing procedure: TMP	
Testing location/ address		N/A
Tested by (name + signature)		N/A
Approved by (name + signature)		N/A
<hr/>		
<input type="checkbox"/>	Testing procedure: WMT	
Testing location/ address		N/A
Tested by (name + signature)		N/A
Witnessed by (name + signature)		N/A
Approved by (name + signature)		N/A
<hr/>		
<input type="checkbox"/>	Testing procedure: SMT	
Testing location/ address		N/A
Tested by (name + signature)		N/A
Approved by (name + signature)		N/A
Supervised by (name + signature) ..		N/A

<p>List of Attachments (including a total number of pages in each attachment):</p> <p>EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES(EU_GD_IEC60335_2_13G): 2 pages (incorporated in the main report)</p> <p>EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES(EN 60335-1:2012/A13:2017): 2 pages (incorporated in the main report)</p> <p>Constructional data form(CDF): 7 pages (separate file)</p> <p>Photo document: 2 pages (incorporated in the main report)</p>	
<p>Summary of testing:</p> <p>From the result of our inspection and tests on the submitted samples, we conclude they comply with the requirements of the standards.</p>	
<p>Tests performed (name of test and test clause):</p> <p><input checked="" type="checkbox"/> Cl.11 Heating</p>	<p>Testing location:</p> <p>Eurofins Product Testing Service (Shanghai) Co., Ltd.</p> <p>No. 395 West Jiangchang Road, Jing'an District, Shanghai, China</p>
<p>Summary of compliance with National Differences</p> <p>List of countries addressed:</p> <p>Germany and European Group Differences</p> <p><input checked="" type="checkbox"/> The product fulfils the requirements of <u>EN 60335 2-13:2010 + A11:2012, EN 60335-1:2012 + A11:2014 + A13:2017, EN 62233:2008, AfPS GS 2014:01</u> (insert standard number and edition and delete the text in parenthesis or delete the whole sentence if not applicable)</p>	

Copy of marking plate (Representative, may differ with model no./ rated power input)

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBS that own these marks.



Test item particulars	
Classification of installation and use	Portable appliance for household indoor use only
Supply Connection	Appliance inlet and cord set
.....	
Possible test case verdicts:	
- test case does not apply to the test object.....	N/A
- test object does meet the requirement	P (Pass)
- test object does not meet the requirement.....	F (Fail)
Testing	
Date of receipt of test item	2018-06-13
Date (s) of performance of tests	2018-06-15 to 2018-06-23
General remarks:	
<p>The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory. "(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report.</p> <p>Throughout this report a <input checked="" type="checkbox"/> comma / <input type="checkbox"/> point is used as the decimal separator. The related applicable CTL/OSM decisions have been considered and the requirements found fulfilled. For GS approval, EK1 601-15e Rev1, EK1 477-10, EK1 527-12 Rev2 and EK1 AG2 Rev 10 were considered.</p>	
Manufacturer's Declaration per sub-clause 4.2.5 of IEC60335-2-13:	
The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not applicable
When differences exist; they shall be identified in the General product information section.	
Name and address of factory (ies)	Same as the applicant

General product information:

The appliances covered by this report are Frying Pans for household indoor use only.
 All of the models have the same construction except for the handle, the shape and the size of the pot.

Model differences and similarities are as below:

Model	Ratings	Pot caliber (cm)	Shape of the heating element
EFP-001	220-240V~, 50-60Hz, 1500W	--	Round
EFP-002		--	Rectangle
EPP-28		28	Round
EPP-30		30	Round
EPP-34		34	Round
EPP-34-A		34	Round
EPP-38		38	Round
EPP-38-A		38	Round
EPP-40		40	Round
PP-004-34		34	Round
PP-004-38		38	Round
PP-010		40	Round
PP-010-1		40	Round

After view, full tests were performed on EPP-002 and EPP-40. Test of Cl.7, Cl.20, Cl.21, Cl.22 were performed on the other models and Cl.11.8 for PP-010 (only for metal handle).

Amendment 1:

The original test report ref. No. EFSH14120797-IE-01-L01, dated 2014-12-26 was modified on 2015-11-02 to include the following changes and/or additions:

1. Evaluation/Test method for PAH was updated to EK1 601-15e Rev1/Afps GS 2014:01 PAK.
- 2 Annex CDF report, PAH report were updated

After review, no tests need to be done.

Amendment 2:

The original test reports ref. No. EFSH14120797-IE-01-L01, dated 2014-12-26, ref no. EFSH14120797-IE-01-L01-A1, dated 2015-11-02, were modified on 2016-06-06 to include the following changes and/or additions:

1. Three new models: EPP-28-A, EPP-30-A and EPP-30-B were added.
2. EPP-28-A is same as EPP-28 in the previous report except that different rated power input.
3. EPP-30-A is same as EPP-30 in the previous report except that different rated power input.
4. EPP-30-B is same as EPP-30 in the previous report except that different earthing view.
5. Added an alternative connector without cord anchorage.

After review, only test of Cl.10 need considered for EPP-28-A and EPP-30-A.

Tests of Cl.10, Cl.13, Cl.15.3 and Cl.16 need considered for EPP-28-A and EPP-30-A.

Tests of Cl.13, Cl.15.3, Cl.16, Cl.25.15 and Cl.27 need considered for EPP-30-B.

Amendment 3:

The original test reports ref. No. EFSH14120797-IE-01-L01, dated 2014-12-26, ref no. EFSH14120797-IE-01-L01-A1, dated 2015-11-02, ref no. EFSH14120797-IE-01-L01-A2, dated 2016-06-06, were modified on 2016-09-29 to include the following changes and/or additions:

1. Modify the grounding screw view for all models.

After review, only tests of Cl.27 and Cl.28 need to be considered and EFP-002 was selected to the test as representative.

Amendment 4:

The original test reports ref. No. EFSH14120797-IE-01-L01, dated 2014-12-26, ref no. EFSH14120797-IE-01-L01-A1, dated 2015-11-02, ref no. EFSH14120797-IE-01-L01-A2, dated 2016-06-06, ref no. EFSH14120797-IE-01-L01-A3, dated 2016-09-29, were modified on 2017-06-09 to include the following changes and/or additions:

1. Five new models: EFP-001-A, EFP-001-B, EFP-002-A, EFP-005, and EFP-008 were added. Compared with EFP-001, the only difference is EFP-001-A has an additional stainless steel ring on the rim of the pan. Similar condition happens to EFP-002 and EFP-002-A. The only difference between EFP-001 and EFP-001-B is that the connection type of EFP-001 is welded while on EFP-001-B is die-casting molded. Similar condition happens to EFP-005 and EFP-008.
2. Add new optional shape of handle for PP series

After review, EFP-005 was subjected to do full of the tests as representative. Tests of Cl.11.8 (only for handle) and Cl.22 were performed on EFP-40.

Amendment 5:

The original test reports ref. No. EFSH14120797-IE-01-L01, dated 2014-12-26, ref no. EFSH14120797-IE-01-L01-A1, dated 2015-11-02, ref no. EFSH14120797-IE-01-L01-A2, dated 2016-06-06, ref no. EFSH14120797-IE-01-L01-A3, dated 2016-09-29, ref no. EFSH14120797-IE-01-L01-A4, dated 2017-06-09 were modified on 2017-08-23 to include the following changes and/or additions:

1. New model EFP-001-C was added. Compared with EFP-001, the only difference between EFP-001 and EFP-001-C is the material of handle: metal for EFP-001-C while plastic for EFP-001.

After review, test of Cl.11.8 (only for handle) and Cl.22 were performed on EFP-001-C.

Amendment 6:

The original test reports ref. No. EFSH14120797-IE-01-L01, dated 2014-12-26, ref no. EFSH14120797-IE-01-L01-A1, dated 2015-11-02, ref no. EFSH14120797-IE-01-L01-A2, dated 2016-06-06, ref no. EFSH14120797-IE-01-L01-A3, dated 2016-09-29, ref no. EFSH14120797-IE-01-L01-A4, dated 2017-06-09, ref no. EFSH14120797-IE-01-L01-A5, dated 2017-08-23 were modified on 2018-06-27 to include the following changes and/or additions:

1. New model EFP-005-A was added. Compared with EFP-005, EFP-005-A has a different shape of handle.
2. Test standard was updated to EN 60335-1:2012 + A11:2014 + A13:2017.

After review, tests of Cl.11.8 (only for handle) and 11.Z101 were performed on EFP-005-A.

This report is only valid in conjunction with the original test report: EFSH14120797-IE-01-L01, EFSH14120797-IE-01-L01-A1, EFSH14120797-IE-01-L01-A2, EFSH14120797-IE-01-L01-A3, EFSH14120797-IE-01-L01-A4 and EFSH14120797-IE-01-L01-A5.

IEC 60335-2-13			
Clause	Requirement - Test	Result - Remark	Verdict
11	HEATING		--
11.1	No excessive temperatures in normal use		P
11.2	The appliance is held, placed or fixed in position as described	Placed away from the walls of the test corner	P
	Portable appliances are placed away from the walls of the test corner (IEC 60335-2-13)		P
11.3	Temperature rises, other than of windings, determined by thermocouples		P
	Temperature rises of windings determined by resistance method, unless		N/A
	the windings are non-uniform or it is difficult to make the necessary connections		N/A
	The temperature rise of the oil in deep fat fryers is determined by means of thermocouples attached to disk of copper or brass, 15 mm diameter and 1 mm thick (IEC 60335-2-13)		N/A
11.4	Heating appliances operated under normal operation at 1.15 times rated power input (W)	1878,2W	P
11.7	Appliance are operated until steady conditions are established (IEC 60335-2-13)		P
11.8	Temperature rises monitored continuously and not exceeding the values in table 3	(see appended table)	P
	If the temperature rise of a motor winding exceeds the value of table 3, or		N/A
	if there is doubt with regard to classification of insulation,		N/A
	tests of Annex C are carried out		N/A
	Sealing compound does not flow out		P
	Protective devices do not operate, except		P
	components in protective electronic circuits tested for the number of cycles specified in 24.1.4		N/A
	The temperature of the oil shall not exceed 225 °C, except (IEC 60335-2-13)		N/A
	that a temperature of 243 °C is allowed for the first cycle of operation of the thermostat (IEC 60335-2-13)		N/A
	The temperature rise of parts of deep fat fryers likely to be contacted by spilt oil shall not exceed 275 K (IEC 60335-2-13)		N/A
	When an appliance connector incorporates a thermostat, the temperature rise limit for the pins of the inlet does not apply (IEC 60335-2-13)		P

IEC 60335-2-13			
Clause	Requirement - Test	Result - Remark	Verdict

11.8	TABLE: Heating test (with lid closed)		P
	Test voltage (V).....:	259,2	—
	Ambient (°C).....:	20	—
Thermocouple locations		Max. temperature rise measured, ΔT (K)	Max. temperature rise limit, ΔT (K)
Handle		25,0	65

IEC60335_2_13G - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict

ATTACHMENT TO TEST REPORT IEC 60335-2-13 EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES Safety of household and similar electrical appliances Part 2: Particular requirements for deep fat fryers, frying pans and similar appliances			
Differences according to : EN 60335-2-13:2010 + A11:2012 used in conjunction with EN 60335-1:2012 + A11:2014 EN 62233:2008			
Attachment Form No. : EU_GD_IEC60335_2_13G Attachment Originator : IMQ S.p.A. Master Attachment : Dated 2015-06			
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IEC60335_2_13G - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict

CENELEC COMMON MODIFICATIONS (EN)			
11.8	During the test, the temperature rises are monitored continuously and shall not exceed the values shown in table 3 and table Z101 in accordance with 11.Z101 (EN 60335-2-13/A11)	(see appended table)	P
11.Z101	The appliance is supplied at rated power and operated under normal operation (EN 60335-2-13/A11)		P

11.Z101	TABLE: Temperature rise limits of external enclosure		P
	Ambient (°C):	20	
	Test voltage (V):	242,3	
Surface	dT (K)	Max. dT (K)	
Plastic enclosure	23,7	65	

EN 60335-1/A13:2017- ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict

ATTACHMENT TO TEST REPORT IEC 60335-1 EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES	
Household and similar electrical appliances – Safety – Part 1: GENERAL REQUIREMENTS	
Differences according to:	EN 60335-1:2012/A13:2017
Attachment Form No.:	EN 60335-1_A13_2017_ATTACHMENT
Attachment Originator:	Eurofins
Master Attachment:	Dated 2018-04

Clause	Requirement + Test	Result - Remark	Verdict
Annex ZC	Annex ZC (normative) Normative references to international publications with their corresponding European publications		--
	A list of referenced documents in this standard		P
Annex ZZA	Annex ZZA (informative) Relationship between this European Standard and the safety objectives of Directive 2014/35/EU [2014 OJ L96] aimed to be covered		--
	This European Standard has been prepared under a Commission's standardization request relating to harmonized standards in the field of the Low Voltage Directive, M/511, to provide one voluntary means of conforming to safety objectives of Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits [2014 OJ L96].		P
	Once this standard is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this standard given in Table ZZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding safety objectives of that Directive, and associated EFTA regulations.		P
	Compliance with this Part 1 when used together with the relevant Part 2 provides one means of conformity with the safety objectives.		P
Annex ZZB	Annex ZZB (informative) Relationship between this European Standard and the essential requirements of Directive 2006/42/EC aimed to be covered		--

EN 60335-1/A13:2017- ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
	This European Standard has been prepared under a Commission's standardization request relating to Mandate for standardization in the field of machinery "M/396" to provide one voluntary means of conforming to essential requirements of EU Directive 2006/42/EC.		N/A
	Once this standard is cited in the Official Journal of the European Union under that EU Directive compliance with the normative clauses of this standard given in Table ZZB.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding essential requirements of that Directive and associated EFTA regulations.		N/A
	Compliance with this Part 1 when used together with the relevant Part 2 provides one means of conformity with the relevant essential health and safety requirements.		N/A

Photo 1.

Description: Over view of EFP-005-A



Photo 2.

Description: Bottom view of EFP-005-A



Photo 3.

Description: Internal view of EFP-005-A

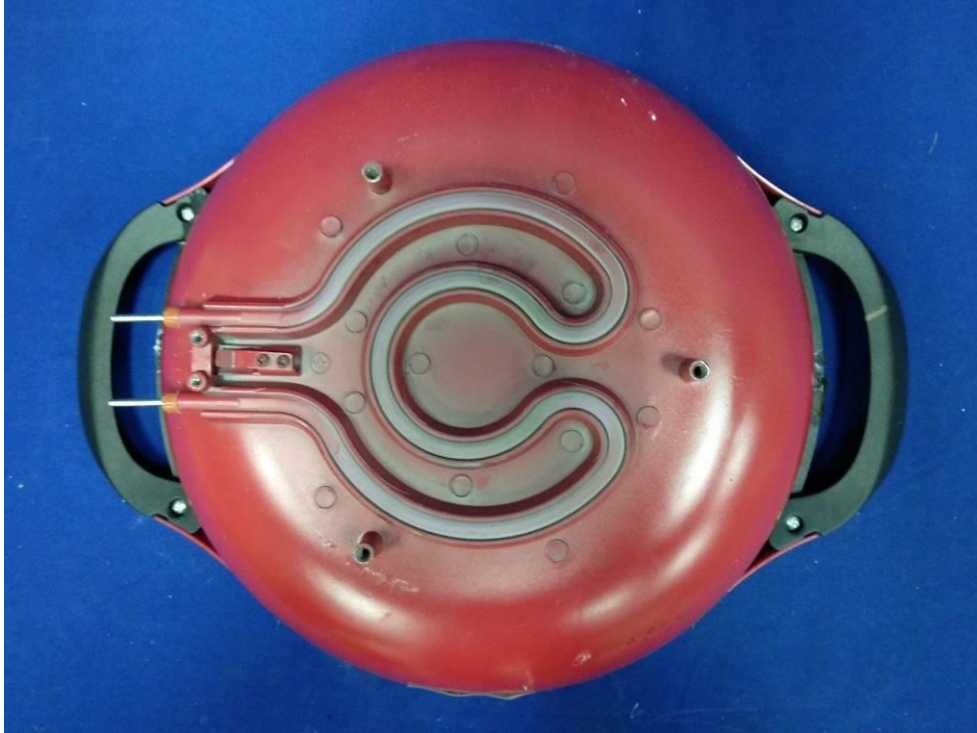


Photo 4.

Description: Handle view of EFP-005-A

