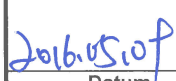
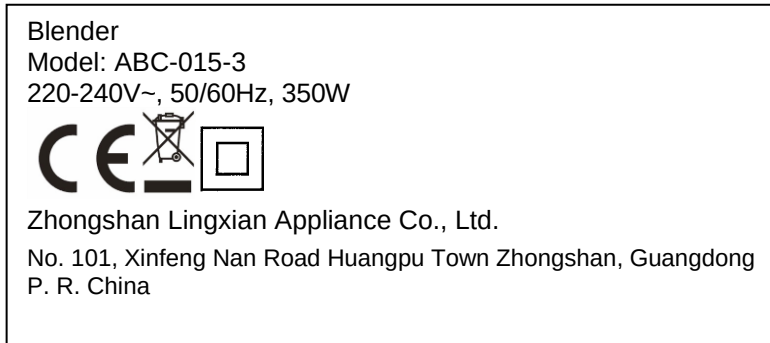


Prüfbericht-Nr.: Test Report No.:	16054508 014	Auftrags-Nr.: Order No.:	174048048	Seite 1 von 9 Page 1 of 9	
Kunden-Referenz-Nr.: Client Reference No.:	N/A	Auftragsdatum: Order date:	06.04.2016		
Auftraggeber: Client:					
Prüfgegenstand: Test item:	Blender				
Bezeichnung / Typ-Nr.: Identification / Type No.:	See model list on page 4				
Auftrags-Inhalt: Order content:	CE-LVD				
Prüfgrundlage: Test specification:	EN 60335-1:2012+A11:2014 EN 60335-2-14:2006+A1+A11 EN 62233:2008				
Wareneingangsdatum: Date of receipt:	06.04.2016	Keine Fotodokumentation erforderlich No photo documentation required			
Prüfmuster-Nr.: Test sample No.:	WTF16F0346232S				
Prüfzeitraum: Testing period:	08.04.2016 – 25.04.2016				
Ort der Prüfung: Place of testing:	See page 2				
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Guangdong) Ltd.				
Prüfergebnis*: Test result*:	Pass				
geprüft von / tested by:		kontrolliert von / reviewed by:			
 Johnny Cao/Engineer		 Mike Ma/ Technical certifier			
Datum Date	Name / Stellung Name / Position	Unterschrift Signature	Datum Date	Name / Stellung Name / Position	Unterschrift Signature
Sonstiges / Other: N/A					
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:			Prüfmuster vollständig und unbeschädigt Test item complete and undamaged		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested					
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>					

Test item description	Blender
Trade Mark	N/A
Model/Type reference	See model list on page 4
Ratings	220-240V~, 50/60Hz, class II, IPX0, rated input power see model list on page 4

Copy of marking plate:



Marking for other models are same as ABC-015-3 except different model name and rated input power.

Summary of testing:

1. The samples are tested and found to be complied with the requirements of standards listed on cover page.
2. Clause 19.7, annex D and 24 were considered for model ABC-015-3 with motor protector 17AMC.
3. For EMF requirements, all required tests have been performed and passed, see previous report 16054508 001 to 013.
4. The appliances were tested according European harmonized standards.
5. Testing location: Waltek Services (Foshan) Co., Ltd
2/F, 2nd Building, Sunlink International Machinery City, Chencun Town, Shunde District, Foshan 528313, Guangdong, P.R. China.

Test item particulars..... :																	
Classification of installation and use..... : Portable appliance and household indoor use																	
Supply Connection : Power cord with a non-detachable plug, Type Y																	
..... :																	
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 : 06.04.2016																	
Date (s) of performance of tests : 08.04.2016 –25.04.2016																	
General remarks:																	
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. Throughout this report a ☐ comma / ☒ point is used as the decimal separator. Remark: 1. The test report is based on report 16054508 001 to 013 for below items: (1) Applying the Directive 2014/35/EU. (2) Adding alternative motor protector for motor of model ABC-015-3, ABC-015-1, ABC-014A-3, ABC-014B-3, ABC-014C-3 and ABC-015A-3. See below table for detail. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 16.6%;">Object / part No.</th> <th style="width: 16.6%;">Manufacturer/ trademark</th> <th style="width: 16.6%;">Type / model</th> <th style="width: 16.6%;">Technical data</th> <th style="width: 16.6%;">Standard</th> <th style="width: 16.6%;">Mark(s) of conformity</th> </tr> </thead> <tbody> <tr> <td>Motor protector (for motor of model ABC-015-3, ABC-015-1, ABC-014A-3, ABC-014B-3, ABC-014C-3, ABC-015A-3)</td> <td>Changzhou Ainuo Electronics Technical Co., Ltd.</td> <td>17AMC+PTC</td> <td>AC250V, T180, Tf105°C</td> <td>EN 60730-1 EN 60730-2-2</td> <td>VDE 40030705</td> </tr> </tbody> </table> 2. Construction of all alternative components in table 24.1 was considered in this report. 3. EN 60335-1:2012/AC:2014 is considered and passed. 4. Manufacturer and Factory information: Zhongshan Lingxian Appliance Co., Ltd. No. 101, Xinfeng Nan Road Huangpu Town Zhongshan, Guangdong P. R. China						Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity	Motor protector (for motor of model ABC-015-3, ABC-015-1, ABC-014A-3, ABC-014B-3, ABC-014C-3, ABC-015A-3)	Changzhou Ainuo Electronics Technical Co., Ltd.	17AMC+PTC	AC250V, T180, Tf105°C	EN 60730-1 EN 60730-2-2	VDE 40030705
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity												
Motor protector (for motor of model ABC-015-3, ABC-015-1, ABC-014A-3, ABC-014B-3, ABC-014C-3, ABC-015A-3)	Changzhou Ainuo Electronics Technical Co., Ltd.	17AMC+PTC	AC250V, T180, Tf105°C	EN 60730-1 EN 60730-2-2	VDE 40030705												

General product information:

1. The blender is class II appliance intended for household and indoor use only.
2. See below table for detail of all models differences (total 9 models).
3. More information can be found in previous report 16054508 001 to 013.

No.	Model	Rated Input Voltage and Frequency	Rated Input Power	Difference
1	ABC-015	220-240V~, 50/60Hz	250W	--
2	ABC-014	220-240V~, 50/60Hz	250W	Same as model ABC-015 except that model ABC-014 has another metal enclosure outside of ABC-015's plastic enclosure.
3	ABC-014A	220-240V~, 50/60Hz	250W	Same as model ABC-014 except the shape of the switch button.
4	ABC-015-3	220-240V~, 50/60Hz	350W	Same as model ABC-015 except different motor and with two blades and two cups.
5	ABC-015-1	220-240V~, 50/60Hz	350W	Same as model ABC-014 except different motor and with two blades and two cups.
6	ABC-014A-3	220-240V~, 50/60Hz	350W	Same as model ABC-014A except different motor and with two blades and two cups.
7	ABC-014B-3	220-240V~, 50/60Hz	350W	Same as model ABC-014A-3 except shape of switch button.
8	ABC-014C-3	220-240V~, 50/60Hz	350W	Same as model ABC-014A-3 except shape of switch button.
9	ABC-015A-3	220-240V~, 50/60Hz	350W	Same as model ABC-015-3 except shape of switch button.

EN 60335-2-14			
Clause	Requirement - Test	Result - Remark	Verdict
19	ABNORMAL OPERATION		P
24	COMPONENTS		P
D	ANNEX D (NORMATIVE) THERMAL MOTOR PROTECTORS		P

EN 60335-2-14

19.7	TABLE: Abnormal operation, locked rotor/moving parts					P
	Test voltage (V)	:	240V, 60Hz			—
	Ambient, t1 (°C)	:	22.7			—
	Ambient, t2 (°C)	:	23.1			—
Temperature of winding		R1 (Ω)	R2 (Ω)	dT (K)	Required dT (K)	Insulation class
Winding of stator		10.6	17.1	160.2	240-25=215	155

19.13	TABLE: Abnormal operation, temperature rises		P
Thermocouple locations		Max. temperature rise measured, dT (K)	Max.temperature rise limit, dT (K)
Clause 19.7, locked motor at 240V, 60Hz		—	—
Power cord		16.0	150
Cord anchorage		15.2	Clause 30
Winding of stator 1		150.4	240-25=215
Winding of stator 2		148.7	240-25=215
Plastic enclosure (inside, hottest)		24.2	Clause 30
Bottom (inside, hottest)		13.6	Clause 30
Shaft cover		5.0	Clause 30
Test floor		2.8	150

Annex D	Motors having non-self-resetting thermal motor protectors are operated for 30 cycles, the thermal motor protector being reset as soon as possible after each operation, but in not less than 30 s.		P
	Abnormal condition:	Locked rotor, supplied at rated voltage.	
	Test Voltage (V):	240V, 60Hz	
	T1(°C):	23.3	
	T2(°C):	23.4	
	Temperature rise dT of part/at:	T (°C)	required dT (K)
	Winding of stator 1	151.3	240-25=215

EN 60335-2-14					
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	Winding of stator 2	149.5			240-25=215
Temperature T of winding:	R1(Ω)	R2(Ω)	dT (K)	Required dT (K)	Insulation class
Winding of stator	10.6	17.2	162.0	240-25=215	155

24.1	TABLE: Components					P
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s)of conformity	
Plug	Guangdong KaiHua Electric Appliance Co., Ltd	KH-9903B	AC 250V, 2.5A	VDE 0620-1	VDE 40024149	
Alternative	Zhongshan Guzhen Hongli Cable & Appliance Factory	HL-6	AC 250V, 2.5A	VDE 0620-1	VDE 40009738	
Alternative	Shenzhen Nanfang Electronic Product Co., Ltd.	NF-004	AC 250V, 2.5A	VDE 0620-1	VDE 40033811	
Alternative	Interchangeable	Interchangeable	AC 250V, 2.5A	VDE 0620-1	VDE approved	
BS plug	Guangdong KaiHua Electric Appliance Co., Ltd	KH-9933	AC 250V, 3A	BS 1363-1	ASTA 1053	
Alternative	Zhongshan Guzhen Hongli Cable & Appliance Factory	HL-17	AC 250V, 3A	BS 1363-1	ASTA 882	
Alternative	Interchangeable	Interchangeable	AC 250V, 3A	BS 1363-1	ASTA approved	
Fuse in BS plug	Dongguan Copper Electronics Co., Limited	TDC 180	240V~, 3A	BS 1362	ASTA 658	
Power cord	Guangdong KaiHua Electric Appliance Co., Ltd	H03VVH2-F	2x0.5mm ² (length≤2m)	EN 50525-2-11	VDE 40001903	
Alternative	Zhongshan Guzhen Hongli Cable & Appliance Factory	H03VVH2-F	2x0.5mm ² (length≤2m)	EN 50525-2-11	VDE 139259	
Alternative	Shenzhen Nanfang Electronic Product Co., Ltd.	H03VVH2-F	2x0.5mm ² (length≤2m)	EN 50525-2-11	VDE 40033283	
Alternative	Interchangeable	Interchangeable	2x0.5mm ² (length≤2m)	EN 50525-2-11	VDE approved	
Micro switch	Guangdong Hushun Electrical Appliance Co., Ltd.	LXW-5-1-2	AC 250V, 5A, T125, 1E4	EN 61058-1	TUV R50156816 Tested with appliance	

EN 60335-2-14

Alternative	Guangdong Yushun Electric Appliance Ltd.	KW-5	AC 250V, 5(3)A, T125, 5E4	EN 61058-1	TUV R50179582
Motor (for ABC-015, ABC-014, ABC-014A)	Zhongshan Lingxian Appliance Co., Ltd.	HC-6325	AC 230V, 250W, Class 155(F)	EN 60335-1 EN 60335-2-14	Tested with appliance
Motor (for ABC-015-3, ABC-015-1, ABC-014A-3, ABC-014B-3, ABC-014C-3, ABC-015A-3)	Zhongshan Lingxian Appliance Co., Ltd.	HC-6320	AC 230V, 350W, Class 155(F)	EN 60335-1 EN 60335-2-14	Tested with appliance
Motor winding	HESHAN CITY TEHSING HUANCHIU ELECTRIC CABLE CO LTD	QZY-1/180	180°C	--	UL E242554
Motor protector (for ABC-015, ABC-014, ABC-014A)	Changzhou Ainuo Electronics Technical Co., Ltd.	17AMC+PTC	AC250V, T180, Tf105°C	EN 60730-1 EN 60730-2-2	VDE 40030705
Thermal link (for ABC-015-3, ABC-015-1, ABC-014A-3, ABC-014B-3, ABC-014C-3, ABC-015A-3)	NEC SCHOTT Components Corporation	SF 119 E	AC250V, 10A, Tf:121°C	EN 60730-1 EN 60730-2-2	VDE 40006568
Motor protector (for motor of model ABC-015-3, ABC-015-1, ABC-014A-3, ABC-014B-3, ABC-014C-3, ABC-015A-3)	Changzhou Ainuo Electronics Technical Co., Ltd.	17AMC+PTC	AC250V, T180, Tf105°C	EN 60730-1 EN 60730-2-2	VDE 40030705
X capacitor (for ABC-015, ABC-014, ABC-014A)	Shenzhen Su Rong Capacitors Co., Ltd.	MPX/MKP	AC 280V, 0.47uF, X2, T100	EN 60384-14	VDE 40008924
X capacitor (for ABC-015-3, ABC-015-1, ABC-014A-3, ABC-014B-3, ABC-014C-3, ABC-015A-3)	Shenzhen Su Rong Capacitors Co., Ltd.	MPX/MKP	AC 280V, 0.1uF, X2, T100	EN 60384-14	VDE 40008924
Y capacitor	Jyh Chung Electronic Co., Ltd.	JY	AC 400V, 2200pF, T85	EN 60384-14	VDE 123326

EN 60335-2-14

Closed-end connector	HEAVY POWER CO LTD	CE2	300V, 105°C	EN 60335-1 EN 60335-2-14	UL E113650 Tested with appliance
Plastic base	FORMOSA CHEMICALS & FIBRE CORP PLASTICS DIV	K1011	PP	EN 60335-1 EN 60335-2-14	UL E162823 Tested with appliance
Knob of switch, Switch support, Plastic enclosure	FORMOSA CHEMICALS & FIBRE CORP PLASTICS DIV	AG15A1	ABS	EN 60335-1 EN 60335-2-14	UL E162823 Tested with appliance
Switch connection rod	STYRON EUROPE GMBH	600	PC	EN 60335-1 EN 60335-2-14	UL E157291 Tested with appliance
Motor support	RHODIA ENGINEERING PLASTICS	C 30H1 V30	PA6+30GF	EN 60335-1 EN 60335-2-14	UL E44716 Tested with appliance

Other Components

Components which are required for performance purposes and/or not directly addressed by a component standard or product standard: capacitors, resistors, mosfets, internal wire, PCB, etc.

Object/part No.	Type/ model (optional)	Technical data	Compliance to
Internal wire	H05SJ-K	1x0.5mm ² , 180°C	VDE approved
Internal wire	1015	600V, 105°C, 22AWG	UL approved

---End of report---