

## **SUPPLEMENTARY REPORT**

**Application No.:** GZEM1912017653HS  
**Applicant:** ORIGINS ULTIMATE  
**Address of Applicant:** #60, Khuba Plots, Gulbarga 585102. India.  
**Manufacturer:** The same as Applicant  
**Address of Manufacturer:** The same as Applicant  
**Factory:** Foshan Shunde JNOD Electrical Appliance Co., Ltd.  
**Address of Factory:** 5th Building Wisdom Creates Wealth Industrial Park, No.8 Second Ring Road, Xingtan, Shunde, Foshan, Guangdong PRC.

**Equipment Under Test (EUT):**

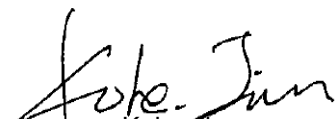
**EUT Name:** Instant Electric Water Heater  
**Model No.:** FD68P, FD55P. □  
 □ Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.

**Standards:** CISPR 14-1:2016  
 CISPR 14-2:2015  
 IEC 61000-3-2:2018  
 IEC 61000-3-3:2013+A1:2017

**Date of Issue:** 2020-04-16

<b>Test Result :</b>	<b>Pass*</b>
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\* In the configuration tested, the EUT complied with the standards specified above.

  
 Kobe Jian  
 EMC Laboratory Manager



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Revision Record				
Version	Chapter	Date	Modifier	Remark
00		2020-04-16		Original Report

<b>Authorized for issue by:</b>			
<b>Checked By</b>			
	<b>Cherie Luo / Reviewer</b>		
		2020-01-17	
		<b>Date</b>	



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## 2 Test Summary

Emission Part				
Test	Test Requirement	Test Method	Class / Severity	Result
Conducted Emission on Mains Terminals (150kHz to 30MHz)	CISPR 14-1:2016	CISPR 16-2-1	Table 1 Columns 2&3	PASS
Disturbance Power (30MHz to 300MHz)	CISPR 14-1:2016	CISPR 16-2-2	Table 2a, Table 2b Columns 2&3 ♀	PASS
Discontinuous Interference on AC (150kHz to 30MHz)	CISPR 14-1:2016	CISPR 14-1:2016	Clause 4.2.1 of CISPR 14-1	N/A
Harmonic Emission on AC	IEC 61000-3-2:2018	IEC 61000-3-2:2018	Class A	PASS
Flicker Emission on AC	IEC 61000-3-3:2013 +A1:2017	IEC 61000-3-3:2013 +A1:2017	Clause 5 of IEC 61000-3-3	PASS
Immunity Part				
Test	Test Requirement	Test Method	Class / Severity	Result
Electrostatic Discharge (ESD)	CISPR 14-2:2015	IEC 61000-4-2:2008	Contact ±4 kV Air ±8 kV	PASS
Electrical Fast Transients (EFT) on AC	CISPR 14-2:2015	IEC 61000-4-4:2012	AC cable: ± 1.0kV Signal lines: ± 0.5kV 5/50ns Tr/Th 5kHz Repetition Frequency	PASS
Surge Immunity on AC	CISPR 14-2:2015	IEC 61000-4-5:2014	±1kV D.M. † ±2kV C.M. ‡	PASS
Injected Currents on AC (150kHz to 230MHz)	CISPR 14-2:2015	IEC 61000-4-6:2013	AC: 3V r.m.s (emf), Signal lines: 1V r.m.s (emf), 80%, 1kHz Amp. Mod.	PASS
Voltage Dips and Interruptions on AC	CISPR 14-2:2015	IEC 61000-4-11:2004	0 % UT for 0.5per 40 % UT for 10per 70 % UT for 25per UT is Supply Voltage	PASS
			0 % UT for 0.5per 40 % UT for 12per 70 % UT for 30per UT is Supply Voltage	
N/A: Not applicable.				



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<b>EUT:</b> In this whole report EUT means Equipment Under Test.						
* $U_T$ is the nominal supply voltage.						
† D.M. – Differential Mode.						
‡ C.M. – Common Mode.						
♀ Disturbance Power test is applied to the EUT only since: 1) All the measurement result are lower than the applicable limits (Table 2a) minus the corresponding margin (Table 2b); or the limit for the measurement with the average detector is met when using a receiver with a quasi-peak detector. 2) No clock frequency or oscillator frequency of the EUT is more than or equal to 30 MHz.						
<b>Remark</b> <b>This is a supplementary report base on GZEM191001652601.</b> <b>α Model No.: FD68P, FD55P.</b> According to the declaration from the applicant, the electrical circuit design, layout, components used and internal wiring were identical for both models, with only difference on the rated power. Details were shown as below:						
<table border="1"> <thead> <tr> <th>Model No.</th> <th>Rated power</th> </tr> </thead> <tbody> <tr> <td>FD68P</td> <td>6800W</td> </tr> <tr> <td>FD55P</td> <td>5500W</td> </tr> </tbody> </table>	Model No.	Rated power	FD68P	6800W	FD55P	5500W
Model No.	Rated power					
FD68P	6800W					
FD55P	5500W					
Therefore only model <b>FD68P</b> was tested in SGS report GZEM191001652601.						
Reviewed the IEC standards, all the technical requirements for the product between International Standard and European Standard are identical, therefore the product fulfils the requirements of International Standard without further testing. (The text of the International Standard approved by CENELEC as a European Standard without any modification.)						
For test data please refer to <b>SGS report GZEM191001652601</b> for details.						

-- End of Report --



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