



Report No.	WFCWT202303-019
Total Pages	7

TEST REPORT

Name of Sample: Power electric live cleaning detergent

Model: OLC

Client: Fujian Tengdajie Environmental Protection Engineering Co.,Ltd

Weifang CEPREI Industrial Technology
Research Institute Co., Ltd



Statement

- 1 The test report is invalid if it is not affixed the official seal of the laboratory to it.
- 2 Copies of the test report without the official seal of the laboratory are invalid.
- 3 The test report is invalid without the signatures of approver.
- 4 The test report is invalid if it is blotted out.
- 5 If there is any objection to the test report, it shall be submitted to the laboratory within 15 days from the date of receiving the report, and it will not be accepted if the report expires.
- 6 The result of the commissioned test is only valid for the provided sample
- 7 The test report has been drafted in Chinese and translated into English(if exist)for convenience only. In the event of discrepancy, the Chinese version shall prevail.
- 8 Unless noted otherwise, the test type is client test.

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Weifang CEPREI Industrial Technology Research Institute Co., Ltd

TEST REPORT

Name of Sample	Power electric live cleaning detergent	Model	OLC
Client	Fujian Tengdajie Environmental Protection Engineering Co.,Ltd		
Address	Room 601, West Area, Building 1, No.18 Panshi Road, Xindian Town, Jin'an District, Fuzhou City, Fujian Province, China		
Manufacturer	Fujian Tengdajie Environmental Protection Engineering Co., Ltd		
Test Type	Client Test	Test Address	Weifang CEPREI Lab.
Accepted Date	2023-03-13	Test Date	2023-03-13~2023-03-24
Sample No.	202303-019-001	Sample Characteristics and Status	Well-tended appearance
Test Environment Condition	Temperature:15°C~35°C Relative Humidity: 25%~75%RH		
Test Items	Flash point, Ignite, Breakdown voltage, Copper mirror corrosivity, Corrosiveness to plastics, Moisture content, Volatilization rate at 30 °C, ODS content, Residual amount of baking at 105 °C, Rohs (six items) , Insulation resistance, pH		
Test Method	Located in Table 2 on page 4-5 of this report for details		
Test Result	The test items comply with relevant requirements, and data refer to page 6 of this test report. 		
Remarks	/		

Compiler: 田震

Checker: 向楠

Approver: 田震

Date: 2023.3.31

1、 Sample Information

Tab. 1 Sample information

No.	Sample No.	Name of sample	Model	Quantity	Sample description
1	202303-019-001	Power electric live cleaning detergent	OLC	2L	Colorless Transparent Liquid



Fig.1 Appearance photos of accepted sample



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Fig.2 Trademark of the sample

2、 Test Method Summary

Tab. 2 Test method summary

No.	Test Items	Test Method Summary	Remarks
1	Flash point	GB/T 261-2008 Determination of flash point Binsky Martin closed cup method	/
2	Ignite	ASTM D92-2005 Petroleum products - Determination of flash point and ignition point (open flash point)	/

3	Breakdown voltage	GB/T 507-86 Test method for dielectric strength of insulating oils Test conditions: Leakage current 0.5mA, power frequency, electrode spacing: 2.5mm	/
4	Copper mirror corrosivity	IPC-TM-650 2.3.32D:2004 Flux Induced Corrosion (Copper Mirror Method) Test conditions: 23±2°C, 45-55%RH, 24h	/
5	Corrosiveness to plastics	IPC-TM-650 2.3.3: 1978 Chemical Resistance of Insulating Materials Soak at 25°C for 24h	/
6	Moisture content	GB/T 2366-2008 Chemical products for industrial use - Determination of water content - Gas chromatographic method	/
7	Volatilization rate (30°C)	ASTM E2008 Standard Test Method for Volatilization Rate by Thermogravimetric Analysis	/
8	ODS content	JISK0123-2006 General rules for operation of gas chromatography mass spectrometry	/
9	Residual amount of baking at 105°C	GB/T 9740-2008 Chemical reagent General method for the determination of evaporation residue	/
10	RoHS(six items)	GB/T 26125-2011 Determination of six restricted substances (lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls, and polybrominated diphenyl ethers) in electronic and electrical products	/
11	Insulation resistance	JIS Z 3197-2012 Testing Methods for Resin Type Soldering Flux Hot tide 24h	/
12	pH	GB/T 9724-2007 Chemical reagent General rules for the determination of pH value	/

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3、 Test Result

Tab. 3 Test results

No.	Test Items	Test Requirement	Test Results		Conclusion	
			Unit	Results		
1	Flash point	/	°C	Not detected	/	
2	Ignite,	/	°C	Non combustible	/	
3	Breakdown voltage	/	kV	35.7	/	
4	Copper mirror corrosivity	/	/	No corrosion of copper film	/	
5	Corrosiveness to plastics	/	/	No corrosion, discoloration, swelling, etc. were detected (no corrosion)	/	
6	Moisture content	/	wt%	0.026	/	
7	Volatilization rate at 30°C	/	mg/h	23.508	/	
8	ODS content	/	%	CFCs	Not detected (< 0.0001)	/
				Halons	Not detected (< 0.0001)	
				CCl ₄	Not detected (< 0.0001)	
				CCl ₃ CH ₃	Not detected (< 0.0001)	
				HCFCs	Not detected (< 0.0001)	
				HBFCs	Not detected (< 0.0001)	
				Methyl Bromide	Not detected (< 0.0001)	
				Chloromet hane	Not detected (< 0.0001)	
9	Residual amount of baking at 105°C	/	%	0		
10	RoHS (six items)	/	mg/kg	Pb	Not detected (<2)	/
				Cd	Not detected (<2)	
				Hg	Not detected (<2)	
				Cr (VI)	Not detected (<2)	
				PBBs	Not detected (<5)	
				PBDEs	Not detected (<5)	
11	Insulation resistance	/	Ω	6.2×10 ¹²	/	
12	pH	/	/	7.1	/	

4、 Equipment

Tab. 4 Equipment

No.	Name	Model	Number
1	Flash point tester for petroleum products	WB-0102	2GB18014498-0005
2	Withstand voltage tester	SLK2674A	7539990069
3	GC-MS	Trace 1300 Series	61010-1E114471
4	Inductively coupled plasma atomic emission spectrometer	Varian 710-ES	7434040008
5	Thermogravimetric analyzer	Thermo plus EVO2	A00007892
6	Bake out furnace	EPO-300-SP	HXX001
7	High temperature and humidity test chamber	ETH-408-40-CP-SD	WSX001
8	High temperature test chamber	4339B	7521050034
9	Electronic balance	CP224S	7461030018
10	pH meter	PHS-3C	2GB18014498-0005

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