

Test Report

Report No.: U02606230613604E

Query Password: QW1052

Date: Jun. 16, 2023

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Applicant: Lemona Electronic

Contact information: S. Raštikio st. 26, Kaunas 50130.

The following sample(s) was (were) submitted and identified by client as:

Sample Name : Single phase solid state relay protection cover
Model No. : SSR-25DA
Trade mark : Fotek
Manufacturer : ADVANCE PANDA ELECTRONIC LIMITED
Address : RmA00,5th Floor,Hua Yun Building-1,Zhen Xing Rd.,FutianDistrict,Shenzhen City,China.
Received Date : Jun. 13, 2023
Testing Period : From Jun. 13, 2023 to Jun. 16, 2023
Test Request : Please refer to next page(s).
Test Result(s) : Please refer to next page(s).

Shen Zhen UONE Test Co., LTD.

Prepared by



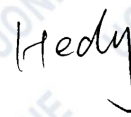
Max Wu

Checked by



Thea Ye

Approved by



Hedy Xu

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Summary of test results:**TEST REQUEST**

- (1) RoHS Directive 2011/65/EU and its subsequent amendments Directive (EU) 2015/863
Lead (Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)),
Polybrominated Biphenyls (PBBs) and Polybrominated DiphenylEthers (PBDEs),
Phthalates (DBP, BBP, DEHP, DIBP)

CONCLUSION**PASS**

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Test Material List

Material No.	Description (Location)
1	Transparent plastic

Test Result(s):

(1) Lead (Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls (PBBs) and Polybrominated DiphenylEthers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP)

(1.1) Lead (Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI))

Test Method: With reference to IEC 62321-5: 2013, IEC62321-4: 2013+A1:2017, IEC 62321-7-1: 2015 or IEC 62321-7-2: 2017, analyzed by ICP-OES & UV-Vis.

Test Items	Unit	MDL	Limit	Test result
				1
Lead (Pb)	mg/kg	2	1000	N.D.
Cadmium (Cd)	mg/kg	2	100	N.D.
Mercury (Hg)	mg/kg	2	1000	N.D.
Hexavalent Chromium(Cr(VI))	mg/kg	8	1000	N.D.
Conclusion				PASS

(1.2) Polybrominated Biphenyls (PBBs) and Polybrominated DiphenylEthers (PBDEs)

Test Method: With reference to IEC 62321-6:2015, was analyzed by Gas Chromatographic - Mass Spectrometer (GC-MS).

Test Items	Unit	MDL	Limit	Test result
				1
Mono-bromobiphenyl	mg/kg	5	/	N.D.
Di-bromobiphenyl	mg/kg	5	/	N.D.
Tri-bromobiphenyl	mg/kg	5	/	N.D.
Tetra-bromobiphenyl	mg/kg	5	/	N.D.
Penta-bromobiphenyl	mg/kg	5	/	N.D.
Hexa-bromobiphenyl	mg/kg	5	/	N.D.
Hepta-bromobiphenyl	mg/kg	5	/	N.D.

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Test Items	Unit	MDL	Limit	Test result
				1
Octa-bromobiphenyl	mg/kg	5	/	N.D.
Nona-bromobiphenyl	mg/kg	5	/	N.D.
Deca-bromobiphenyl	mg/kg	5	/	N.D.
Polybrominated Biphenyls (PBBs)	mg/kg	/	1000	N.D.
Mono-bromodiphenyl ether	mg/kg	5	/	N.D.
Di-bromodiphenyl ether	mg/kg	5	/	N.D.
Tri-bromodiphenyl ether	mg/kg	5	/	N.D.
Tetra-bromodiphenyl ether	mg/kg	5	/	N.D.
Penta-bromodiphenyl ether	mg/kg	5	/	N.D.
Hexa-bromodiphenyl ether	mg/kg	5	/	N.D.
Hepta-bromodiphenyl ether	mg/kg	5	/	N.D.
Octa-bromodiphenyl ether	mg/kg	5	/	N.D.
Nona-bromodiphenyl ether	mg/kg	5	/	N.D.
Deca-bromodiphenyl ether	mg/kg	5	/	N.D.
Polybrominated DiphenylEthers (PBDEs)	mg/kg	/	1000	N.D.
Conclusion				PASS

(1.3) Phthalates (DBP, BBP, DEHP, DIBP)

Test Method: With reference to IEC 62321-8: 2017, was analyzed by Gas Chromatographic - Mass Spectrometer (GC-MS).

Test Substances	CAS No.	Unit	MDL	Limit	Test result
					1
Dibutyl phthalate (DBP)	84-74-2	mg/kg	20	1000	N.D.
Butyl benzyl phthalate (BBP)	85-68-7	mg/kg	20	1000	N.D.
Di(2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	20	1000	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	20	1000	N.D.
Conclusion					PASS

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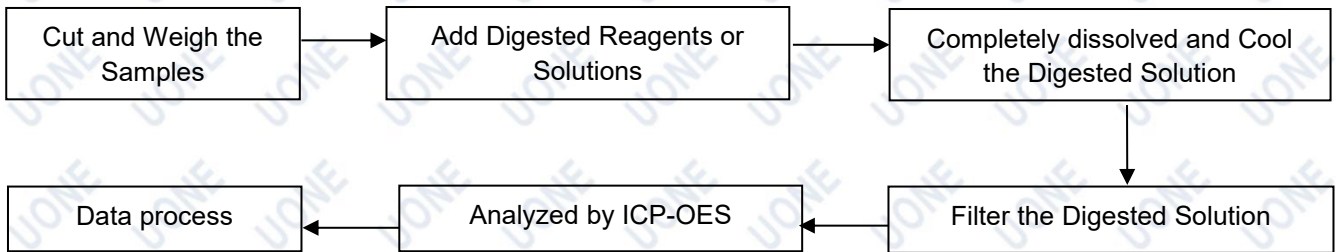
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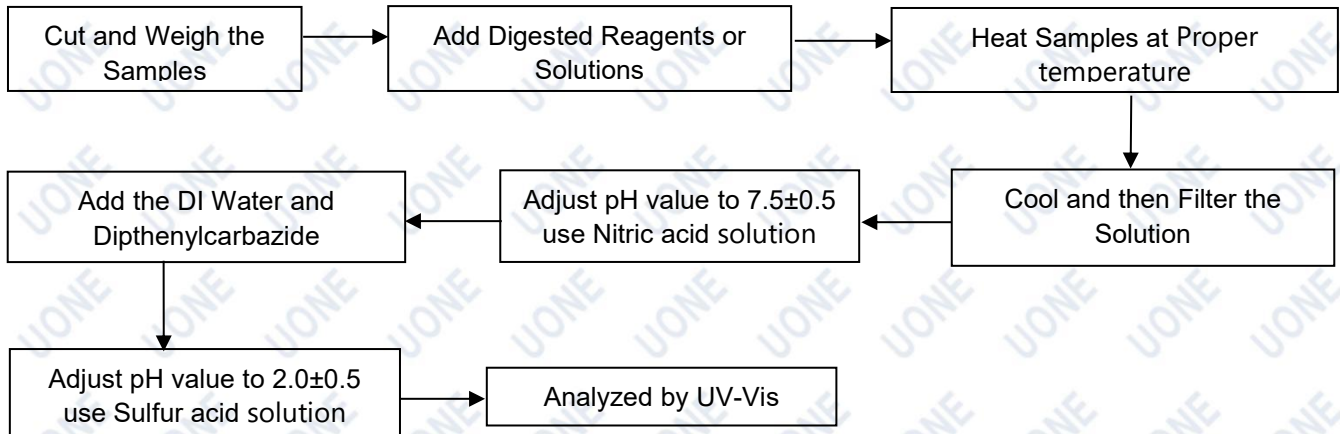
- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. MDL= method detection limit.
 3. N.D.=not detected (<MDL).
 4. "/"=Not regulated.

Test Process Flow

1. Lead, Cadmium, Mercury



2. Hexavalent Chromium (Non-metal)



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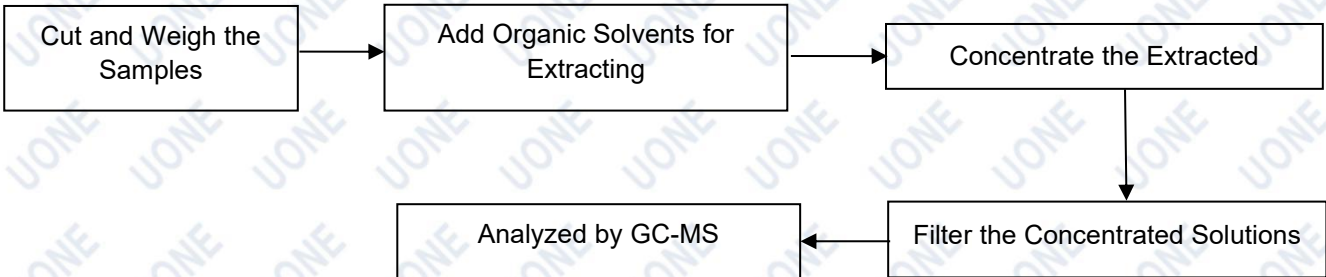
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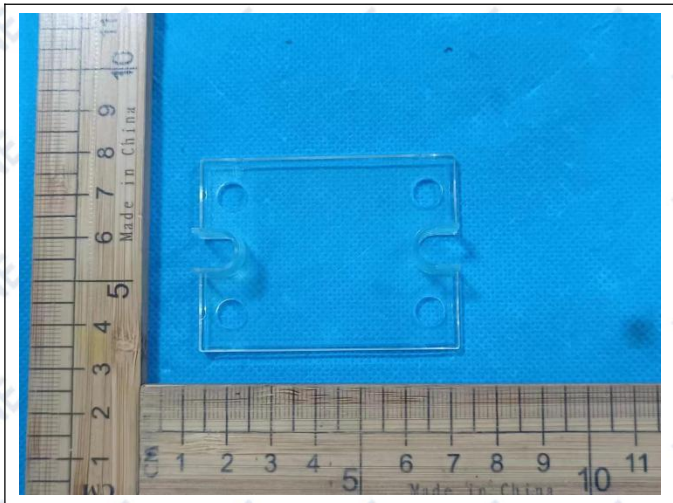
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3. PBBs & PBDEs, Phthalates



Photo(s) of Sample:



*****End of Report*****

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Statement

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