



中国认可
国际互认
检测
TESTING
CNAS L9381



2015100158B

EMTEK
Access to the World

Test Report

No.: EG170621017C01X02MVer.1.0

Date: Jun.27, 2017

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Applicant : Nantong DIC Color Co.,Ltd.
Address : No.11 Zhong Yang Road Nantong Economic & Technological Development Area ,Jiangsu.
Sample Name : UNIVERSAL (NK/EX21/21GT/21A/21C/21D/CQ/E/HS/L/YC/21C(ETOH))
Quantity : 1pc
Model : /
Lot No. : /
Supplier : /
Received Date : Jun.21, 2017
Test Period : Jun.21, 2017~Jun.27, 2017

Test Summary

No.	Test Item	Test Conclusion
1	Directive 2011/65/EU (RoHS)	Pass

Pass: Meet the requirements; Fail: Doesn't meet the requirements; N/A: Without conclusions or provide test results only.

Signed for and on behalf of
EMTEK (SUZHOU) CO.,LTD

Prepared by: Danna
Mindandan, Danna
Assistant Engineer

Reviewed by: Damon
Du Shi, Damon
Technical supervisor

Approved by: Mickey
Yuan Qi, Mickey
Authorized signatory
Jun.27, 2017

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Sample Description

Sample No.	Sample Number
01	EG170621017C01

Summary of Test Result

1. RoHS

1.1 Test Method

Test Item	Test Method
Cadmium (Cd), Lead (Pb)	IEC 62321-5:2013
Mercury (Hg)	IEC 62321-4:2013
Hexavalent Chromium (Cr ⁶⁺)	IEC 62321:2008
PBBs & PBDEs	IEC 62321-6:2015

1.2 Test Instrument

Instrument Name	Manufacturer	Instrument Model	Instrument No.	Calibration Valid Date
ICP-OES	Agilent	720	E-C-007	2017/09/01
UV-Vis	SHIMADZU	UV-2600	E-V-011	2017/08/30
GC-MS	Agilent	7890B-5977A	E-C-001	2017/09/01

1.3 Test Result: Limit according to Directive 2011/65/EU (RoHS)

Test Item	Result (mg/kg)	MDL (mg/kg)	Limit (mg/kg)
	01		
Cadmium (Cd)	N.D.	2	100
Lead (Pb)	N.D.	2	1000
Mercury (Hg)	N.D.	2	1000
Hexavalent Chromium (Cr ⁶⁺)	N.D.	2	1000

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Test Item	Result (mg/kg)	MDL (mg/kg)	Limit (mg/kg)
	01		
Polybrominated Biphenyls (Mono – Deca) (PBBs)	N.D.	--	1000
Monobromobiphenyl	N.D.	5	--
Dibromobiphenyl	N.D.	5	--
Tribromobiphenyl	N.D.	5	--
Tetrabromobiphenyl	N.D.	5	--
Pentabromobiphenyl	N.D.	5	--
Hexabromobiphenyl	N.D.	5	--
Heptabromobiphenyl	N.D.	5	--
Octabromobiphenyl	N.D.	5	--
Nonabromobiphenyl	N.D.	5	--
Decabromobiphenyl	N.D.	5	--
Polybrominated Diphenylethers (Mono – Deca) (PBDEs)	N.D.	--	1000
Monobromodiphenyl ether	N.D.	5	--
Dibromodiphenyl ether	N.D.	5	--
Tribromodiphenyl ether	N.D.	5	--
Tetrabromodiphenyl ether	N.D.	5	--
Pentabromodiphenyl ether	N.D.	5	--
Hexabromodiphenyl ether	N.D.	5	--
Heptabromodiphenyl ether	N.D.	5	--
Octabromodiphenyl ether	N.D.	5	--
Nonabromodiphenyl ether	N.D.	5	--
Decabromodiphenyl ether	N.D.	5	--

Note:

- 1) N.D. = Not Detected (Less than Detection Limit)
- 2) MDL= Method Detection Limit.
- 3) Specimens, which requested to determine Lead, Cadmium and Mercury content, have been dissolved completely.
- 4) For PBBs & PBDEs test, the CMA mark of this test report covers the standard IEC 62321:2008.

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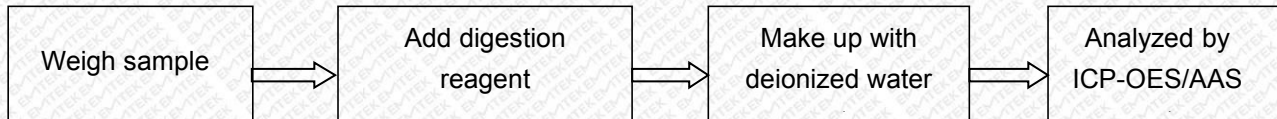
No.: EG170621017C01X02MVer.1.0

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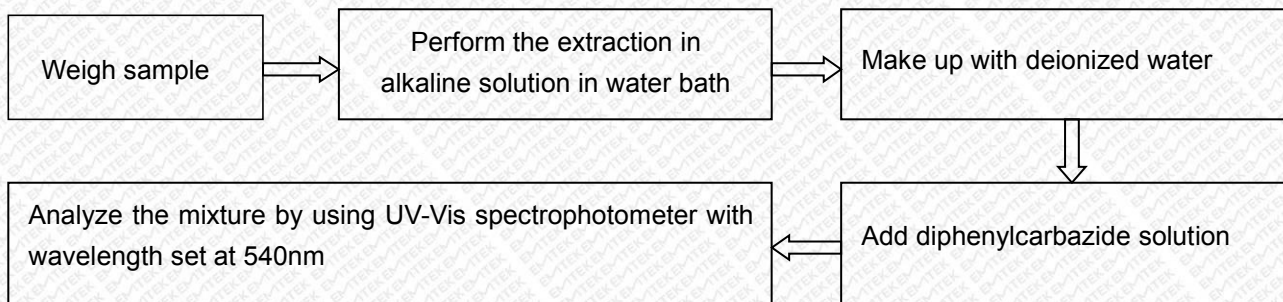
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1.4 Test Flowchart

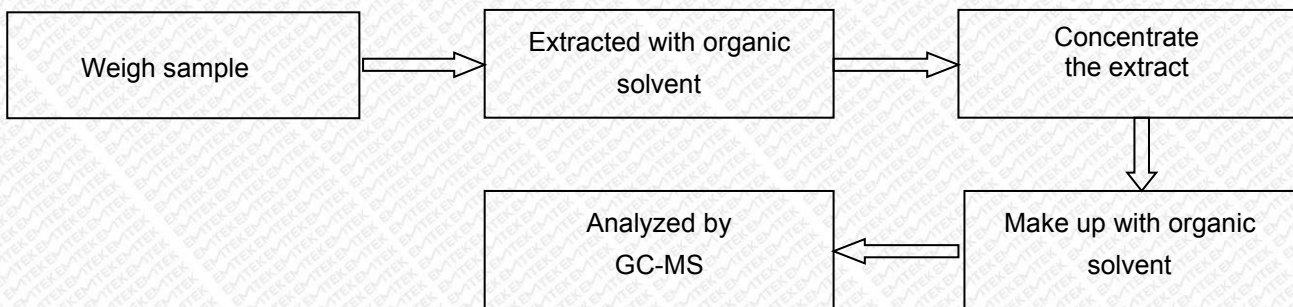
Pb, Cd, Hg Test Process:



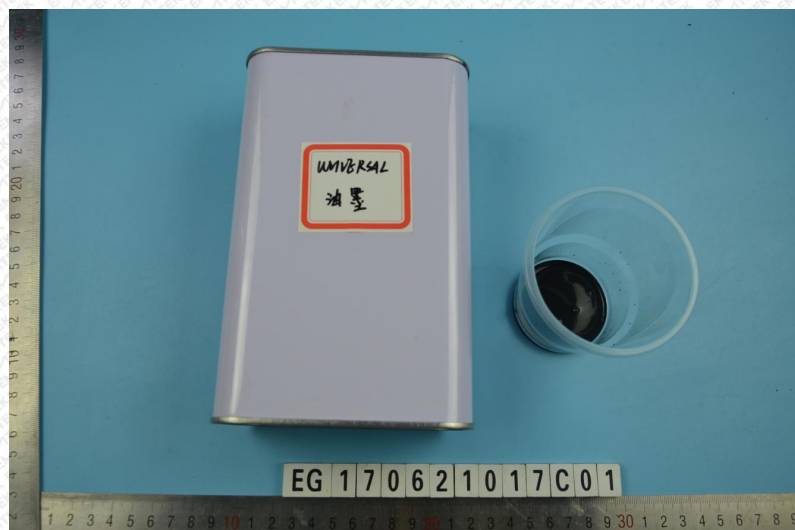
Cr⁶⁺ Test Process:



PBBs & PBDEs Test Process:



Sample Photo



*** End of Report ***

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