

TEST REPORT

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Applicant : YANCHENG LU CHENXIN NEW MATERIALS CO., LTD.
Address : HAIHE TOWN INDUSTRIAL PARK, SHEYANG COUNTY, YANCHENG CITY, JIANGSU PROVINCE

Below information submitted by the applicant:

Product Name : Silicone Rubber, RTV
Model : 117
Model may cover : /
Reference info. : /
Manufacturer info. : /
Supplier info. : /
Buyer info. : /
Country of Destination : /
Country of Origin : China

Sample Received : 07.26, 2022
Test Period : 07.28, 2022 - 08.03, 2022
Test Requirement : Refer to next pages
Test Method : Refer to next pages
Test Result : Refer to next pages
Test Conclusion : Refer to next pages

Signed for and on behalf of
Jordan Wang, General Manager
BU Chemical Compliance
TUV THURINGEN (SHANGHAI) CO., LTD.
Location: Shanghai

TÜV THÜRINGEN CHINA

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http://tuv-thuringen.com.cn/news/12_138

VERSION: 2022.01.01

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RESULT SUMMARY

As requested by the client, test items as below:

Test Items	Verdict
1. RoHS 2.0 Directive 2011/65/EU and its Commission delegated Directive (EU) 2015/863 - Lead and its compounds - Cadmium and its compounds - Mercury and its compounds - Hexavalent Chromium and its compounds - PBBs and PBDEs content - Phthalates (DBP, BBP, DEHP, DIBP) content	PASS

SAMPLE DESCRIPTION

Sample description : 1#. White silicone sealer

TEST RESULTS

1. RoHS - Lead (Pb)/Cadmium(Cd)/Mercury(Hg)/Hexavalent Chromium(Cr⁶⁺)/ PBBs& PBDEs/ Phthalates

Test Method: With reference to:

IEC 62321-1:2013 Determination of certain substances in electrotechnical products - Part 1: Introduction and overview

IEC 62321-2:2021 Determination of certain substances in electrotechnical products - Part 2: Disassembly, disjunction and mechanical sample preparation

IEC 62321-3-1:2013 Determination of certain substances in electrotechnical products - Part 3-1: Screening - Lead, mercury, cadmium, total chromium and total bromine using X-ray fluorescence spectrometry

IEC 62321-3-2:2020 RLV Determination of certain substances in electrotechnical products - 3-2: Screening - Total bromine in polymers and electronics by Combustion - Ion Chromatography

IEC 62321-4:2013+AMD1:2017 CSV Determination of certain substances in electrotechnical products - Part 4: Mercury in polymers, metals and electronics by CV-AAS, CV-AFS, ICP-OES and ICP-MS

IEC 62321-5:2013 Determination of certain substances in electrotechnical products - Part 5: Cadmium, lead and chromium in polymers and electronics and cadmium and lead in metals by AAS, AFS, ICP-OES and ICP-MS

IEC 62321-6:2015 Determination of certain substances in electrotechnical products - Part 6: Polybrominated biphenyls and polybrominated diphenyl ethers in polymers by gas chromatography-mass spectrometry (GC-MS)

IEC 62321-7-1:2015 Determination of certain substances in electrotechnical products - Part 7-1: Hexavalent chromium - Presence of hexavalent chromium (Cr(VI)) in colorless and colored corrosion-protected coatings on metals by the colorimetric method

IEC 62321-7-2:2017 Determination of certain substances in electrotechnical products - Part 7-2: Hexavalent chromium - Determination of hexavalent chromium (Cr(VI)) in polymers and electronics by the colorimetric method

IEC 62321-8:2017 Determination of certain substances in electrotechnical products - Part 8: Phthalates in polymers by gas chromatography-mass spectrometry (GC-MS), gas chromatography-mass spectrometry using a pyrolyzer/thermal desorption accessory (Py-TD-GC-MS)

Test Items	Units	MDL	Test Results	Permissible Limit
			1#	
Lead and its compounds	mg/kg	2	n.d.	≤1000
Cadmium and its compounds	mg/kg	2	n.d.	≤100
Mercury and its compounds	mg/kg	2	n.d.	≤1000
Hexavalent Chromium and its compounds	mg/kg	2	n.d.	≤1000
PBBs	mg/kg	---	n.d.	≤1000
Monobromobiphenyl	mg/kg	50	n.d.	---
Dibromobiphenyl	mg/kg	50	n.d.	---

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Test Items	Units	MDL	Test Results	Permissible Limit
			1#	
Tribromobiphenyl	mg/kg	50	n.d.	---
Tetrabromobiphenyl	mg/kg	50	n.d.	---
Pentabromobiphenyl	mg/kg	50	n.d.	---
Hexabromobiphenyl	mg/kg	50	n.d.	---
Heptabromobiphenyl	mg/kg	50	n.d.	---
Octabromobiphenyl	mg/kg	50	n.d.	---
Nonabromobiphenyl	mg/kg	50	n.d.	---
Decabromobiphenyl	mg/kg	50	n.d.	---
PBDEs	mg/kg	50	n.d.	≤1000
Monobromodiphenol ether	mg/kg	50	n.d.	---
Dibromodiphenol ether	mg/kg	50	n.d.	---
Tribromodiphenol ether	mg/kg	50	n.d.	---
Tetrabromodiphenol ether	mg/kg	50	n.d.	---
Pentabromodiphenol ether	mg/kg	50	n.d.	---
Hexabromodiphenol ether	mg/kg	50	n.d.	---
Heptabromodiphenol ether	mg/kg	50	n.d.	---
Octabromodiphenol ether	mg/kg	50	n.d.	---
Nonabromodiphenol ether	mg/kg	50	n.d.	---
Decabromodiphenol ether	mg/kg	50	n.d.	---
DBP, Dibutyl Phthalate	mg/kg	30	n.d.	≤1000
BBP, Butyl Benzyl Phthalate	mg/kg	30	n.d.	≤1000
DEHP, Di-(2-ethylhexyl) phthalate	mg/kg	30	n.d.	≤1000
DIBP, Di-isobutyl phthalate	mg/kg	30	n.d.	≤1000

Note:

1. %, percentage; mg, milligrams; g, grams; kg, kilograms
2. mg/kg = milligrams per kilograms; mg/L = milligrams per litre
3. 0.1% = 1000mg/kg = 1000mg/L
4. < = less than; > = greater than
5. MDL = method detection limit
6. n.d. = not detected, < MDL
7. n.a. = not applicable
8. n.r. = not required
9. EX = abbr. of Exempted

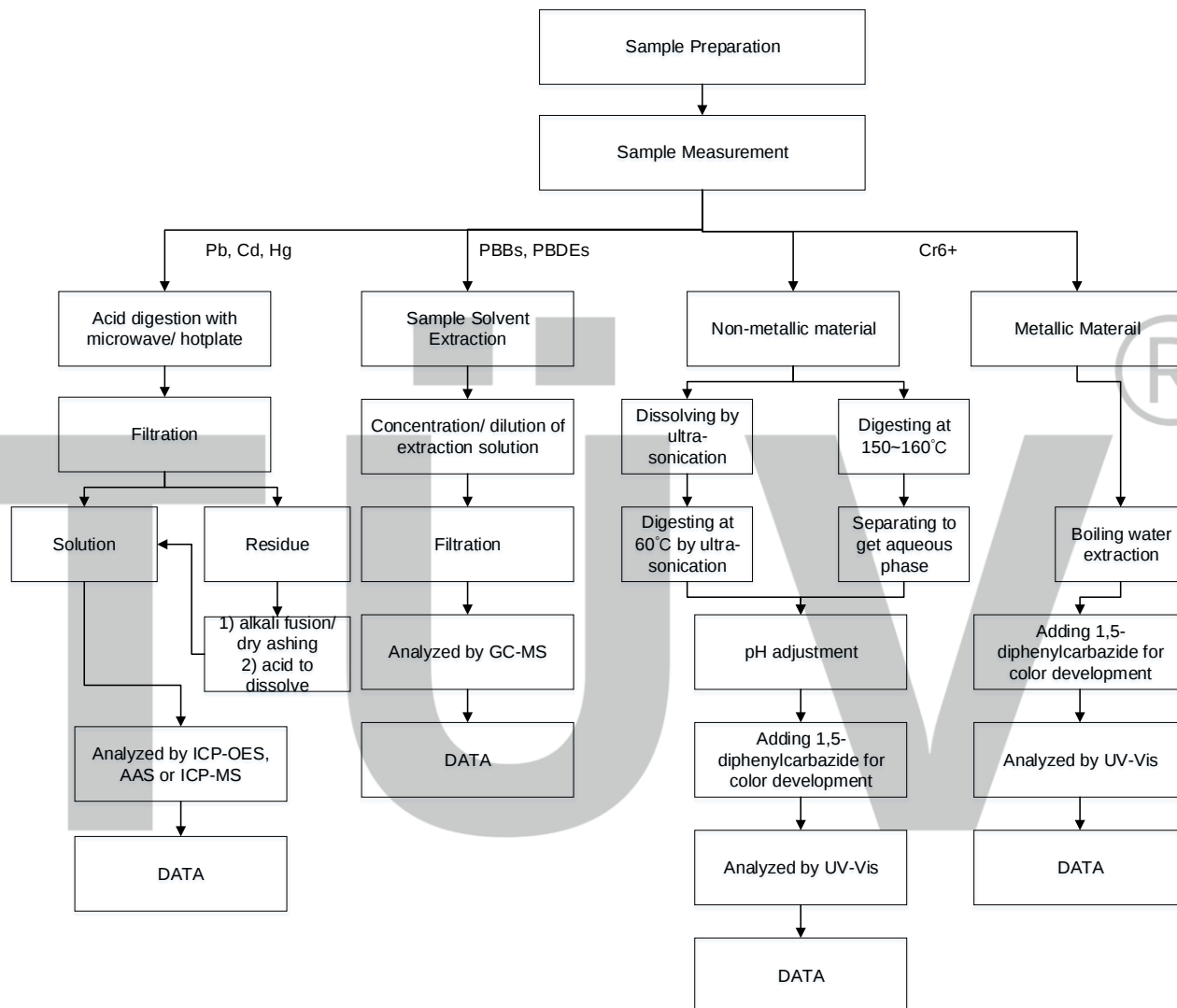
***** To be continued *****

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Test Flowchart for Hazardous Testing Pb, Cd, Hg, Cr^{VI}, PBBs, PBDEs

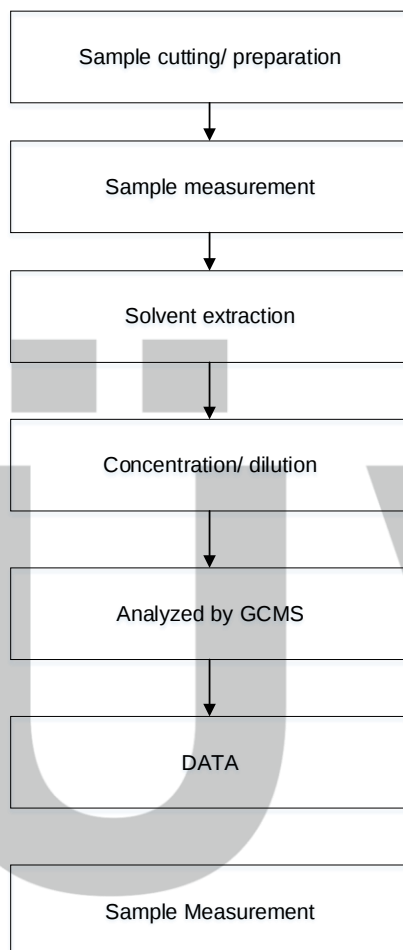
Method: with reference to IEC 62321 series



***** To be continued *****

Test Flowchart for Hazardous Testing Phthalates (BBP, DBP, DEHP, DIBP)

Method: with reference to IEC 62321 series



***** To be continued *****

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SAMPLE IMAGE



Tested specimen

***** END OF REPORT *****