

Report No.: 238550813d8 001

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**Client:** CHIMEI Corporation  
No.398, Sec. 1, Zhongzheng Rd., Rende Dist., Tainan City 717010, Taiwan,  
R.O.C.

**Test item(s):** ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER

**Identification/Model No(s):** POLYLAC® PA-704LRP

**Sample obtaining method:** Sending by customer

**Condition at delivery:** Test item complete and undamaged.

**Sample receiving date:** 2022-12-02

**Testing period:** 2022-12-02 – 2023-01-03

**Place of testing:** TÜV Rheinland (Shanghai) Co. Ltd.

<b>Test specification:</b>	<b>Test result:</b>
According to RoHS (recast): Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment, 2011/65/EU Annex II and its amendment Directive (EU) 2015/863: Total Content of Lead, Cadmium, Mercury, Chromium VI, Polybrominated Biphenyls, Polybrominated Diphenyl Ethers; and Benzylbutyl phthalate (BBP), Dibutyl phthalate (DBP), Bis(2-ethylhexyl) phthalate (DEHP), Diisobutyl phthalate (DIBP)	Pass

For and on behalf of  
TÜV Rheinland Taiwan Ltd.

2023-01-03  
Date

Arthur Cheng/Project Manager  
Name/Position



Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.  
This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.  
"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report..

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Test Method : Total Cadmium, Lead, Mercury, Chromium  
 - Ref. to IEC 62321-4:2013 and IEC 62321-5:2013  
 Chromium (VI)  
 - For Metal material - Ref. to IEC 62321-7-1:2015  
 - For Plastic or Electronic material - Ref. to IEC 62321-7-2:2017  
 - For Leather material - Ref. to EN ISO 17075-1:2017  
 PBBs, PBDEs - Ref. to IEC 62321-6:2015

Sample Material Lab.-No.	RL	POLYLAC® PA-704LRP plastic/off white TCL221202-35
Cadmium (Cd) mg/kg	2	< RL
Lead (Pb) mg/kg	2	< RL
Mercury (Hg) mg/kg	2	< RL
Chromium VI (Cr VI)* mg/kg	8	< RL
<b>Sum of Polybrominated biphenyls (PBBs)</b> mg/kg	-	< RL
Monobromobiphenyl mg/kg	5	< RL
Dibromobiphenyl mg/kg	5	< RL
Tribromobiphenyl mg/kg	5	< RL
Tetrabromobiphenyl mg/kg	5	< RL
Pentabromobiphenyl mg/kg	5	< RL
Hexabromobiphenyl mg/kg	5	< RL
Heptabromobiphenyl mg/kg	5	< RL
Octabromobiphenyl mg/kg	5	< RL
Nonabromobiphenyl mg/kg	5	< RL
Decabromobiphenyl mg/kg	5	< RL
<b>Sum of Polybrominated diphenyl ethers (PBDEs)</b> mg/kg	-	< RL
Monobromodiphenyl ether mg/kg	5	< RL
Dibromodiphenyl ether mg/kg	5	< RL
Tribromodiphenyl ether mg/kg	5	< RL
Tetrabromodiphenyl ether mg/kg	5	< RL
Pentabromodiphenyl ether mg/kg	5	< RL
Hexabromodiphenyl ether mg/kg	5	< RL
Heptabromodiphenyl ether mg/kg	5	< RL
Octabromodiphenyl ether mg/kg	5	< RL
Nonabromodiphenyl ether mg/kg	5	< RL
Decabromodiphenyl ether mg/kg	5	< RL

Notes:

- < = less than
- RL = Reporting Limit
- n.a. = not applicable
- mg/kg = milligram per kilogram
- \* Once the total Cr content in metal/ plastic or electronic sample is found to be exceeded the limit, the Cr (VI) content will be confirmed with reference to IEC 62321-7-1:2015/ IEC 62321-7-2:2017

	Cd	Cr(VI)	Pb	Hg	PBBs	PBDEs
<b>Maximum permissible Limit acc. to 2011/65/EU (mg/kg)</b>	100	1000	1000	1000	1000	1000

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Test Method : BBP/DBP/DEHP/DIBP - Ref. to IEC 62321-8:2017

Sample	RL	POLYLAC® PA-704LRP
Material		plastic/off white
Lab.-No.		TCL221202-35
Benzylbutylphthalate (BBP)	mg/kg	50
Dibutylphthalate (DBP)	mg/kg	50
Diethylhexylphthalate (DEHP)	mg/kg	50
Diisobutylphthalate (DIBP)	mg/kg	50
		< RL

**Notes:**

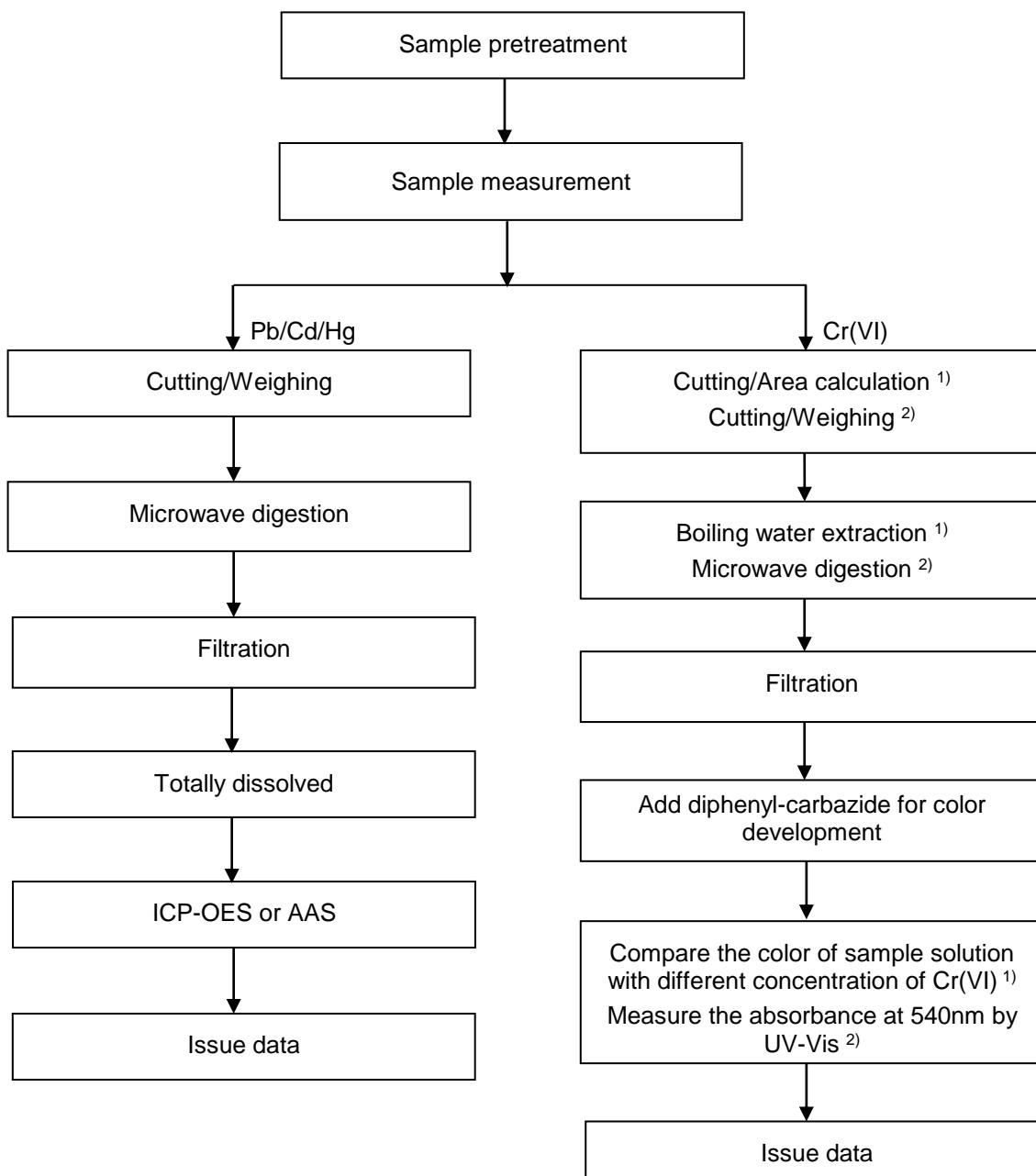
- < = less than
- RL = Reporting Limit
- n.a. = not applicable
- mg/kg = milligram per kilogram

	BBP	DBP	DEHP	DIBP
<b>Maximum permissible Limit acc. to (EU) 2015/863 (mg/kg)</b>	1000	1000	1000	1000

**Test Sample**

**Testing procedure:**

RoHS (Pb, Cd, Hg, Cr(VI))

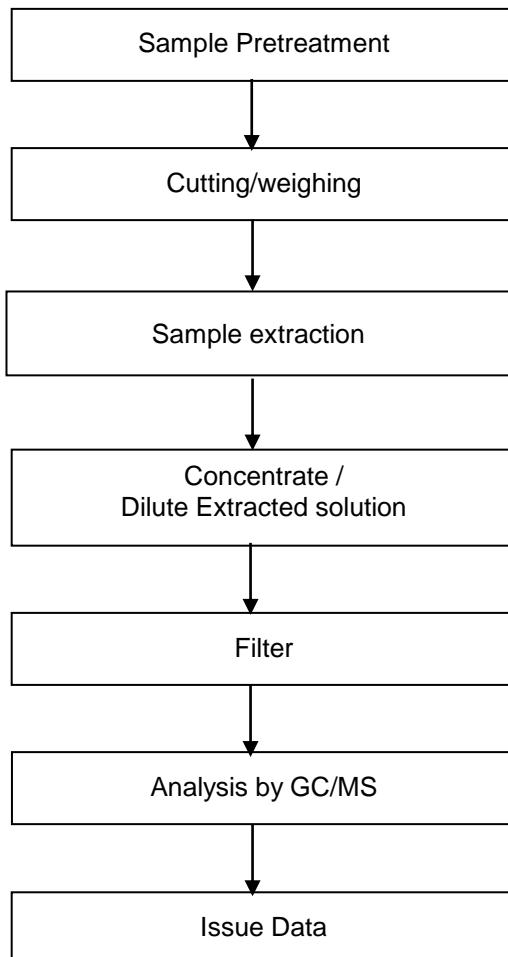


Notes: 1) For metallic material

2) For non-metallic material

**Testing procedure:**

RoHS (PBBs/PBDEs, DEHP/DBP/BBP/DIBP)



--- End of Test-Report ---