TÜVRheinland®
Precisely Right.

Report No.:	238523186k4 001	*Page 1 of 6*
Client:	CHIMEI Corporation No.398, Sec. 1, Zhongzheng Rd., Rende Dist., Tainan City 717010, Taiwan, R.O.C.	
Test item(s):	POLYCARBONATE	
Identification/Model No(s):	WONDERLITE® PC-115	
Sample obtaining method:	Sending by customer	
Condition at delivery:	Test item complete and undamaged.	
Sample receiving date:	2021-12-01	
Testing period:	2021-12-01 – 2022-01-03	
Place of testing:	TÜV Rheinland (Shanghai) Co. Ltd.	

Test specification:	***Test result:***
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
Halogen (Fluorine, Chlorine, Bromine, Iodine)	Refer to result page

Other information: Refers to TÜV test report no.: 238523186k5 001.

For and on behalf of
TÜV Rheinland Taiwan Ltd.

2022-01-03
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..

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	WONDERLITE® PC-115 plastic/transparent TCL211201-95
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
Sum of Polybrominated biphenyls (PBBs)	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
Sum of Polybrominated diphenyl ethers (PBDEs)	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
Maximum permissible Limit acc. to 2011/65/EU (mg/kg)	100	1000	1000	1000	1000	1000

Test Method : BBP/DBP/DEHP/DIBP - Ref. to IEC 62321-8:2017
Halogen - Following EN 14582; determination by I.C.

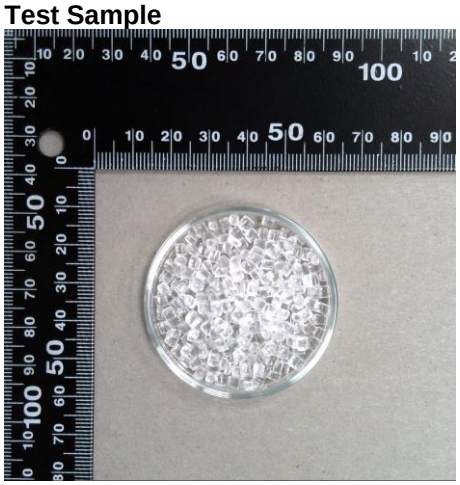
Sample Material Lab.-No.		RL	WONDERLITE® PC-115 plastic/transparent TCL211201-95
Benzylbutylphthalate (BBP)	mg/kg	50	< RL
Dibutylphthalate (DBP)	mg/kg	50	< RL
Diethylhexylphthalate (DEHP)	mg/kg	50	< RL
Diisobutylphthalate (DIBP)	mg/kg	50	< RL

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

Sample Material Lab.-No.			WONDERLITE® PC-115 plastic/transparent TCL211201-95
Halogen	Unit	RL	Result
Fluorine (F)	mg/kg	50	< RL
Chlorine (Cl)	mg/kg	50	< RL
Bromine (Br)	mg/kg	50	< RL
Iodine (I)	mg/kg	50	< RL

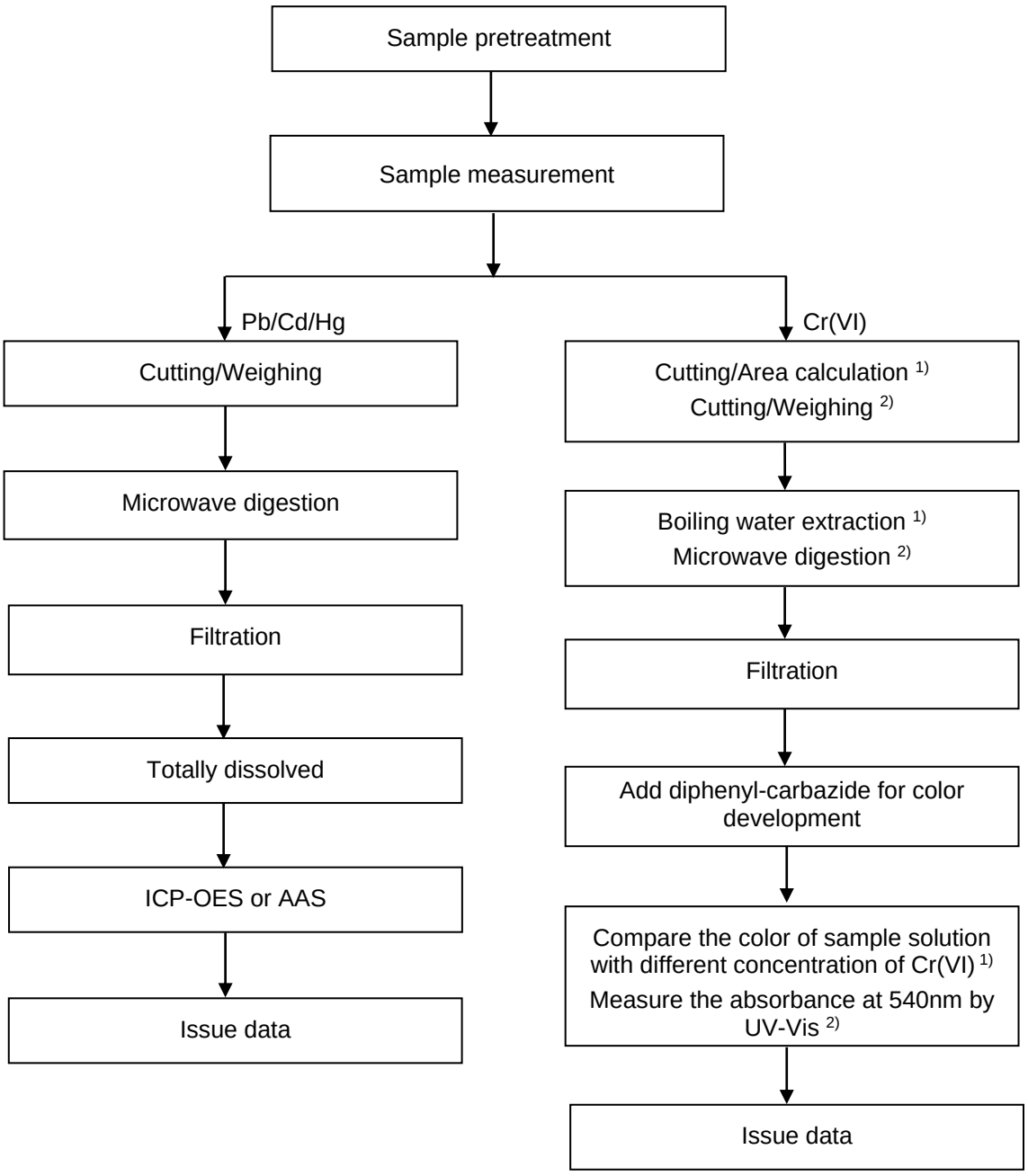
Notes:
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- mg/kg = milligram per kilogram

Test Sample



Testing procedure:

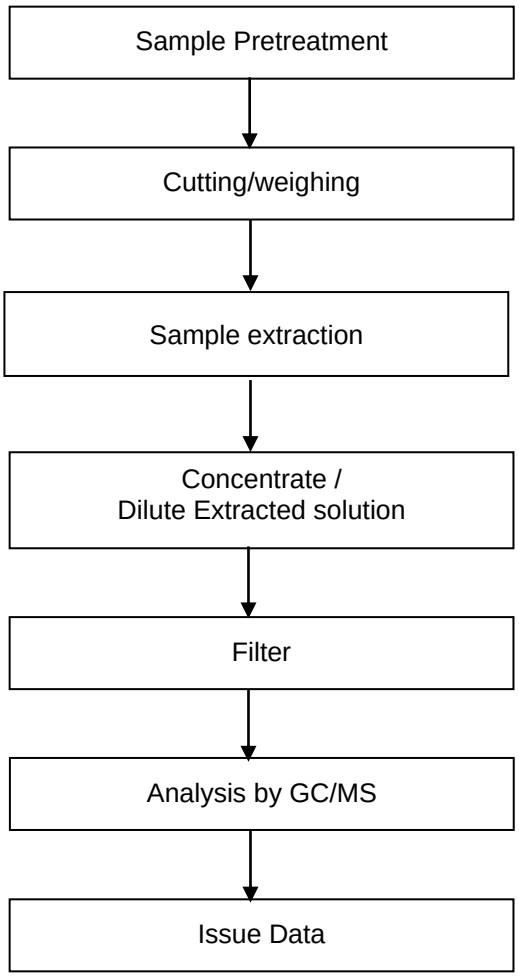
RoHS (Pb, Cd, Hg, Cr(VI))



Notes: 1) For metallic material
2) For non-metallic material

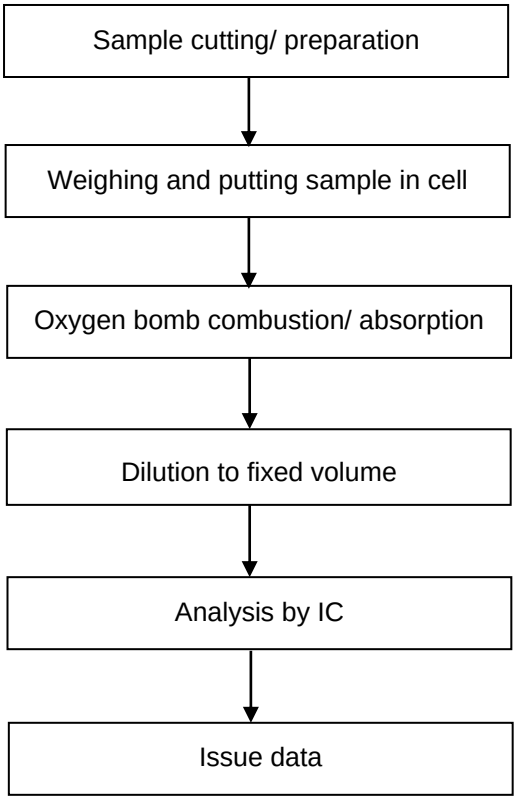
Testing procedure:

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



Testing procedure:

Halogen



--- End of Test-Report ---