Produkte
Products

TÜVRheinland®

Prüfbericht - Nr.: *Test Report No.:*	**2384950495 001**	**Seite 1 von 6** *Page 1 of 6*
Auftraggeber: *Client:*	Chi Mei Corporation No.398, Sec. 1, Zhongzheng Rd., Rende Dist., Tainan City 717010, Taiwan, R.O.C.	
Gegenstand der Prüfung: *Test Item:*	POLYCARBONATE	
Bezeichnung: *Identification:*	WONDERLITE® PC-115	
Anlieferungszustand: *Delivery condition:*	apparent good	**Eingangsdatum:** *Date of Receipt:* 2020-12-04
Prüfort: *Testing location:*	TÜV Rheinland (Shanghai) Co. Ltd.	
Prüfgrundlage: *Test specification:*	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) and Halogen (Fluorine, Chlorine, Bromine, Iodine)	
Prüfergebnis: *Test result:*	The test results are the measurements, stated in the test report.	

geprüft: *tested by:*

Arthur Cheng

Datum *Date*	**Name/Stellung** *Name/Position*	**Unterschrift** *Signature*
2021-01-04	Arthur Cheng /Project Manager	

kontrolliert: *checked by:*

Yueh-Li Lin

Datum *Date*	**Name/Stellung** *Name/Position*	**Unterschrift** *Signature*
2021-01-04	Yueh-Li Lin /Senior Project Coordinator	

Sonstiges/ *Other Aspects:*

Test period: 2020-12-04 – 2021-01-04
Refers to TÜV test report no.: 238495049l6 001

Abkürzungen:	***ok / P***	***=***	***entspricht Prüfgrundlage***	***Abbreviations:***	***ok / P***	***=***	***passed***
	fail / F	***=***	***entspricht nicht Prüfgrundlage***		***fail / F***	***=***	***failed***
	n.a. / N	***=***	***nicht anwendbar***		***n.a. / N***	***=***	***not applicable***

Produktinformationen werden vom Kunden bereitgestellt. Das Testergebnis wird nach Art und Umfang der durchgeführten Tests gezogen. Dieser Prüfbericht bezieht sich auf das oben genannte Prüfmuster. Ohne Genehmigung des Testzentrums darf dieser Testbericht nicht in Auszügen vervielfacht werden. Dieser Prüfbericht berechtigt nicht zum Tragen eines Prüfzeichens auf diesem oder ähnlichen Produkten.

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.

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Test Report No. : 238495049l5 001 2021-01-04
Customer : Chi Mei Corporation
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 TCL201204-96
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 Report No. : 238495049l5 001 2021-01-04
Customer : Chi Mei Corporation
Test Method : BBP/DBP/DEHP/DIBP - Ref. to IEC 62321-8:2017
Halogen - Following EN 14582; determination by I.C.

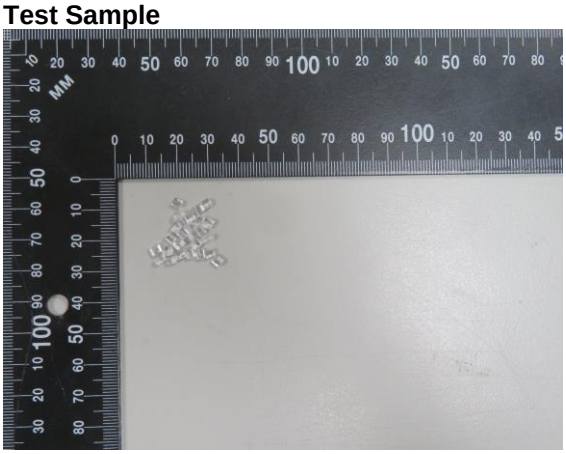
Sample Material Lab.-No.		RL	WONDERLITE® PC-115 plastic/transparent TCL201204-96
Benzylbutylphthalate (BBP)	mg/kg	50	< RL
Dibutylphthalate (DBP)	mg/kg	50	< RL
Diethylhexylphthalate (DEHP)	mg/kg	50	< RL
Diisobutylphthalate (DIBP)	mg/kg	50	< RL

	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 TCL201204-96
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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- n.a. = not applicable
- mg/kg = milligram per kilogram

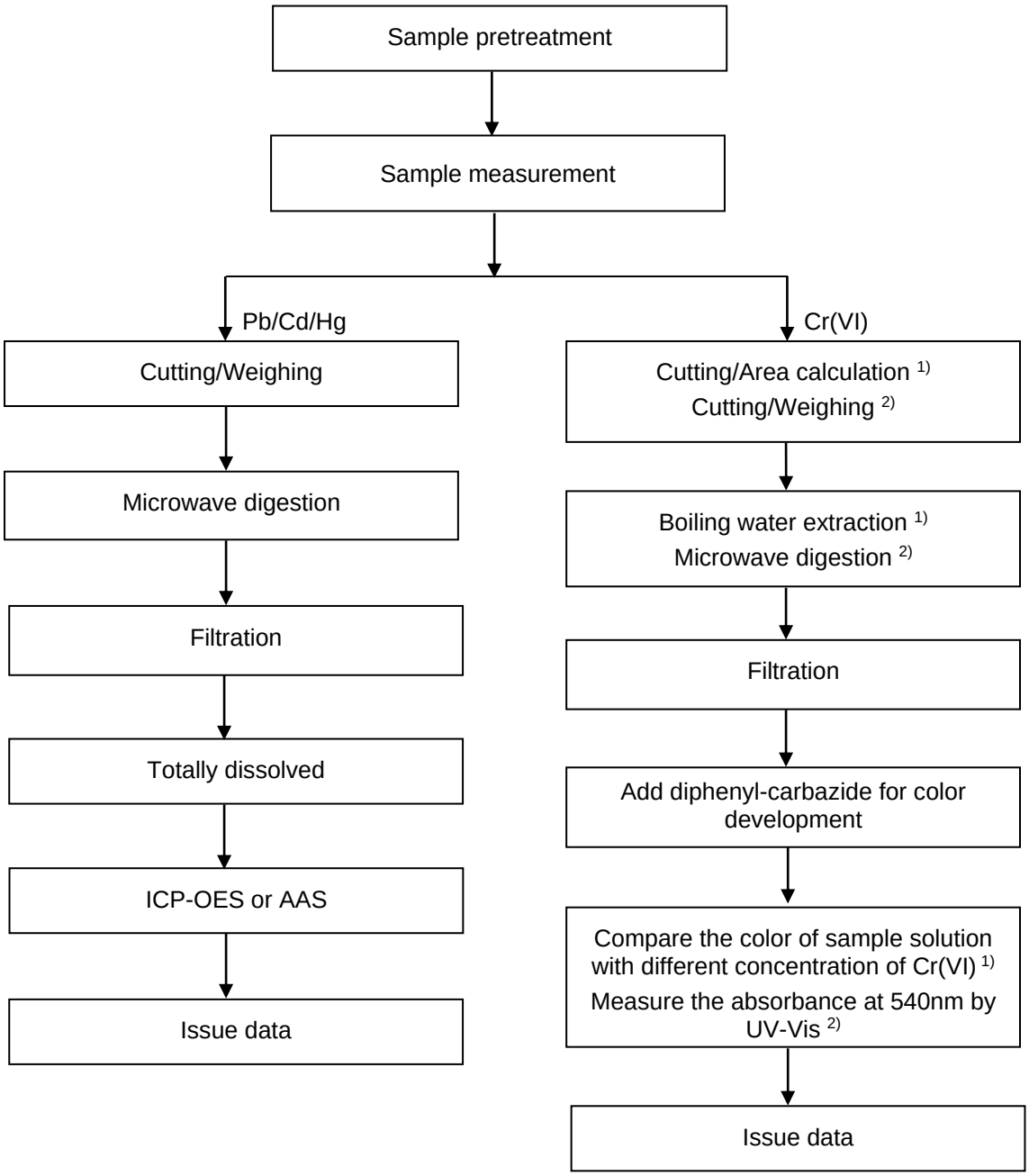
Test Sample



Test Report No. : 238495049l5 001 2021-01-04
Customer : Chi Mei Corporation

Testing procedure:

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

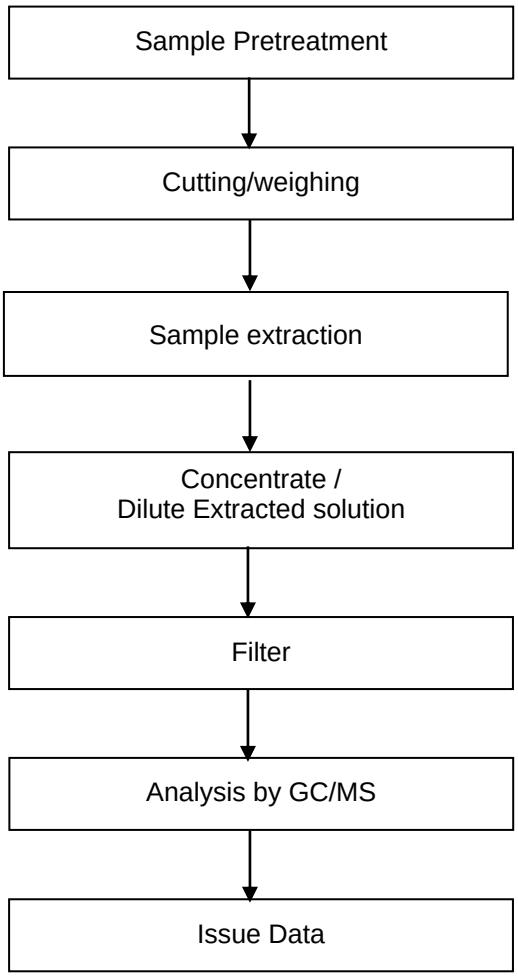


Notes: 1) For metallic material
2) For non-metallic material

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Customer : Chi Mei Corporation

Testing procedure:

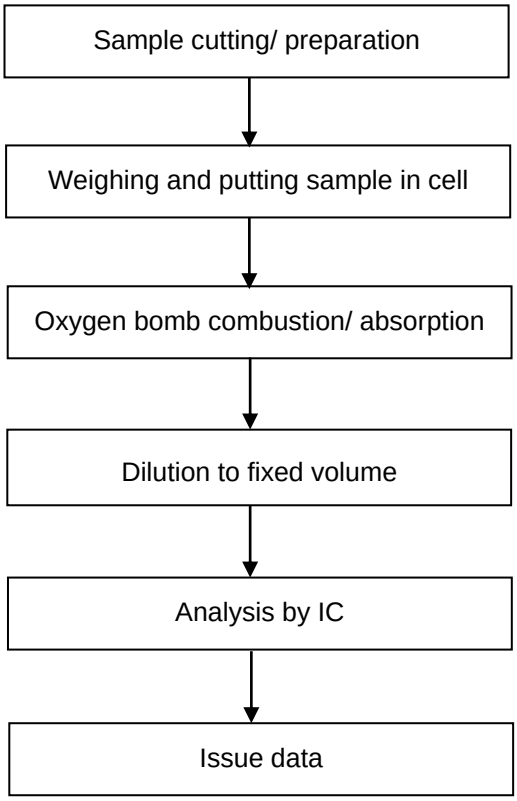
RoHS (PBBs/PBDEs, DEHP/DBP/BBP/DIBP)



Test Report No. : 238495049l5 001 2021-01-04
Customer : Chi Mei Corporation

Testing procedure:

Halogen



--- End of Test-Report ---