TÜVRheinland®

Prüfbericht - Nr.: *Test Report No.:*	**238113368c5 001**	**Seite 1 von 5** *Page 1 of 5*
Auftraggeber: *Client:*	Chi Mei Corporation No.59-1, Sanjiazi, Rende Dist., Tainan City 71702, Taiwan, R.O.C.	
Gegenstand der Prüfung: *Test Item:*	ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER	
Bezeichnung: *Identification:*	POLYLAC® PA-747H	
Anlieferungszustand: *Delivery condition:*	apparent good	**Eingangsdatum:** *Date of Receipt:* 2019-12-09
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)	
Prüfergebnis: *Test result:*	According to the kind and extend of tests performed the above mentioned test item passed the test specification.	

geprüft: *tested by:*

Fanny Lin

Datum *Date*	**Name/Stellung** *Name/Position*	**Unterschrift** *Signature*
2020-01-02	Fanny Lin /Project Coordinator	

kontrolliert: *checked by:*

Anya Wang

Datum *Date*	**Name/Stellung** *Name/Position*	**Unterschrift** *Signature*
2020-01-02	Anya Wang /Project Coordinator	

Sonstiges/ *Other Aspects:*

Test period: 2019-12-09 – 2020-01-02

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

Test Report No. : 238113368c5 001 2020-01-02
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.		LoD	POLYLAC® PA-747H plastic/off white TCL191209-25
Cadmium (Cd)	mg/kg	2	n.d.
Lead (Pb)	mg/kg	2	n.d.
Mercury (Hg)	mg/kg	2	n.d.
Chromium VI (Cr VI)*	mg/kg	8	n.d.
Sum of Polybrominated biphenyls (PBBs)	mg/kg	-	n.d.
Monobromobiphenyl	mg/kg	5	n.d.
Dibromobiphenyl	mg/kg	5	n.d.
Tribromobiphenyl	mg/kg	5	n.d.
Tetrabromobiphenyl	mg/kg	5	n.d.
Pentabromobiphenyl	mg/kg	5	n.d.
Hexabromobiphenyl	mg/kg	5	n.d.
Heptabromobiphenyl	mg/kg	5	n.d.
Octabromobiphenyl	mg/kg	5	n.d.
Nonabromobiphenyl	mg/kg	5	n.d.
Decabromobiphenyl	mg/kg	5	n.d.
Sum of Polybrominated diphenyl ethers (PBDEs)	mg/kg	-	n.d.
Monobromodiphenyl ether	mg/kg	5	n.d.
Dibromodiphenyl ether	mg/kg	5	n.d.
Tribromodiphenyl ether	mg/kg	5	n.d.
Tetrabromodiphenyl ether	mg/kg	5	n.d.
Pentabromodiphenyl ether	mg/kg	5	n.d.
Hexabromodiphenyl ether	mg/kg	5	n.d.
Heptabromodiphenyl ether	mg/kg	5	n.d.
Octabromodiphenyl ether	mg/kg	5	n.d.
Nonabromodiphenyl ether	mg/kg	5	n.d.
Decabromodiphenyl ether	mg/kg	5	n.d.

Notes:
- n.d. - not detected
- LoD - Limit of Detection
- mg/kg is equal to ppm (parts per million)
- *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. : 238113368c5 001 2020-01-02
Customer : Chi Mei Corporation
Test Method : BBP/DBP/DEHP/DIBP - Ref. to IEC 62321-8:2017

Sample Material Lab.-No.		LoD	POLYLAC® PA-747H plastic/off white TCL191209-25
Benzylbutylphthalate (BBP)	mg/kg	50	n.d.
Dibutylphthalate (DBP)	mg/kg	50	n.d.
Diethylhexylphthalate (DEHP)	mg/kg	50	n.d.
Diisobutylphthalate (DIBP)	mg/kg	50	n.d.

Notes:
- n.d. - not detected
- LoD - Limit of Detection
- mg/kg is equal to ppm (parts per million)

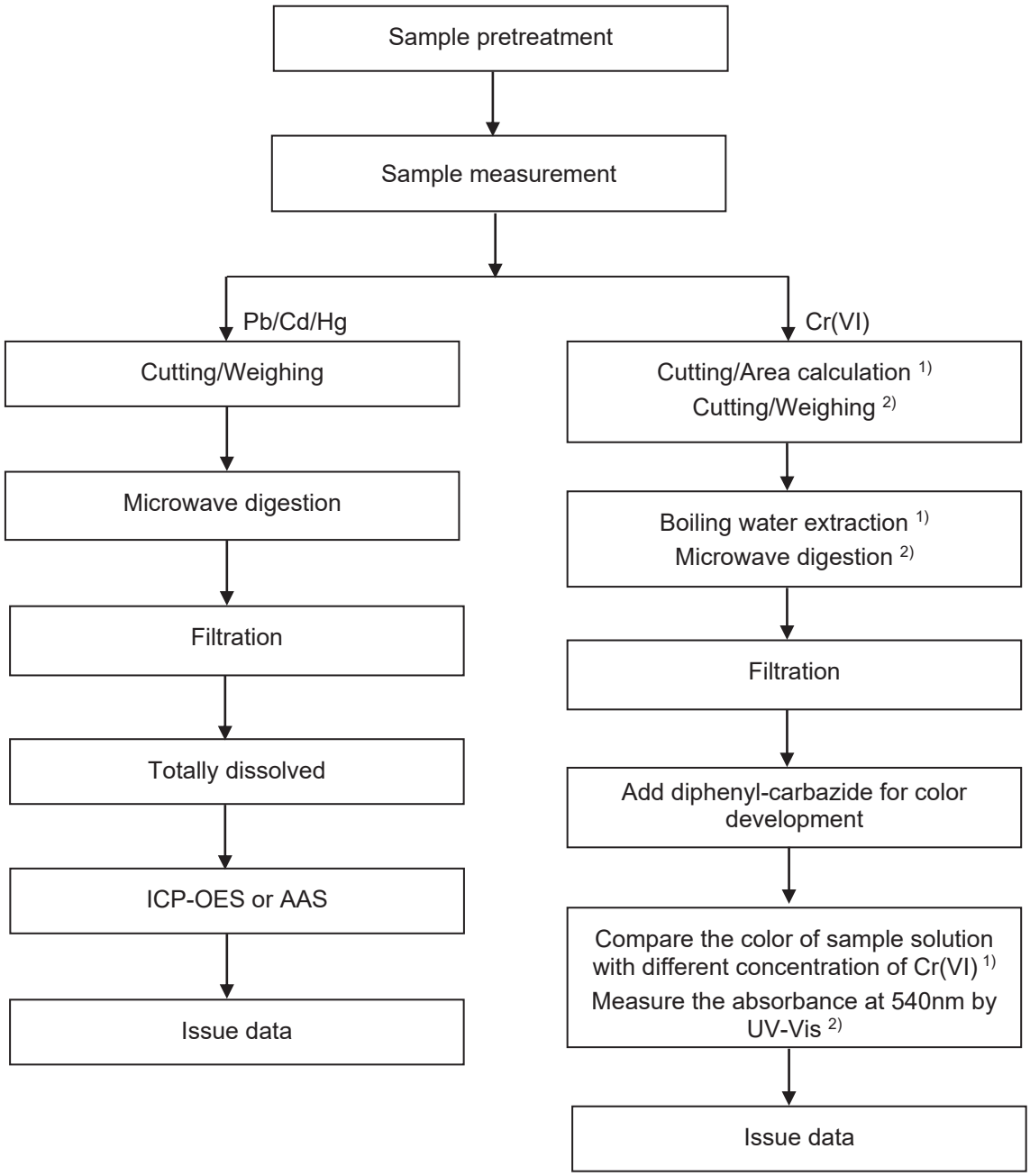
	BBP	**DBP**	**DEHP**	**DIBP**
Maximum permissible Limit acc. to (EU) 2015/863 (mg/kg)	1000	1000	1000	1000

Test Sample

Test Report No. : 238113368c5 001 2020-01-02
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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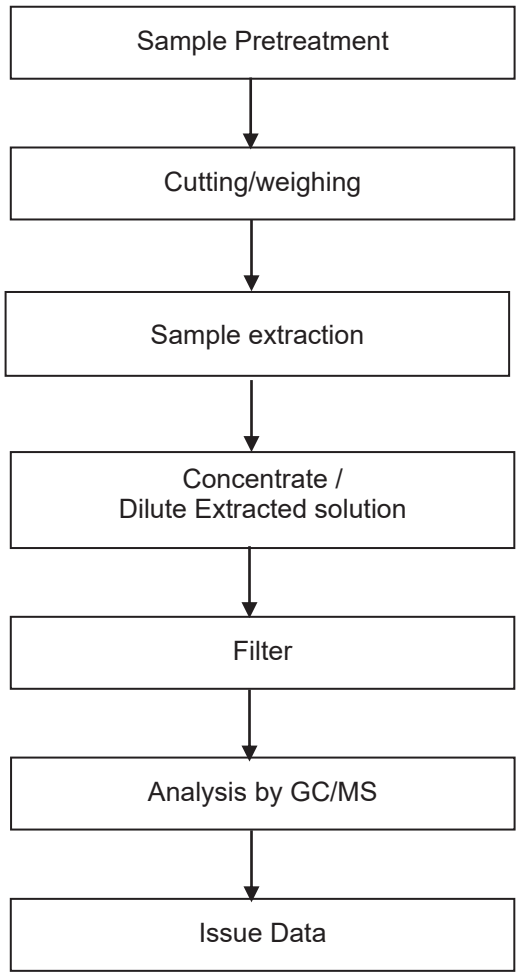
Customer : Chi Mei Corporation

Testing procedure:

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



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