



Prüfbericht - Nr.: 0114073389j 001		Seite 1 von 5	
<i>Test Report No.:</i>		<i>Page 1 of 5</i>	
Auftraggeber: <i>Client:</i>	FORMOSA IDEMITSU PETROCHEMICAL CORPORATION RM.391,7F, 201, TUNG HWA N. RD., TAIPEI 105, TAIWAN, R.O.C.		
Gegenstand der Prüfung: <i>Test Item:</i>	聚碳酸酯樹脂(POLYCARBONATE RESIN)		
Bezeichnung: <i>Identification:</i>	#1700,1900,2200,2500 (#=A,R,IR,IV,IV-R,HQ)		
Anlieferungszustand: <i>Delivery condition:</i>	apparent good	Eingangsdatum: <i>Date of Receipt:</i>	2018-01-15
Prüfart: <i>Testing location:</i>	TÜV Rheinland Hong Kong Ltd.		
Prüfgrundlage: <i>Test specification:</i>	According to RoHS (recast): Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment, 2011/65/EU last amended by (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)		
Prüfresultat: <i>Test result:</i>	According to the kind and extend of tests performed the above mentioned test item passed the test specification.		
geprüft/ tested by:	kontrolliert/ checked by:		
			
2018-01-26	Anne Chen /Coordinator	2018-01-26	Carl Chang /Department Manager
Datum <i>Date</i>	Name/Stellung <i>Name/Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>
			Name/Stellung <i>Name/Position</i>
			Unterschrift <i>Signature</i>
Sonstiges/ Other Aspects:			
Test period: 2018-01-15 – 2018-01-26			
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
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.			
<i>This test report relates to the a. m. 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.</i>			



Test Report No. : 0114073389j 001
 Customer : FORMOSA IDEMITSU PETROCHEMICAL 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 ISO 17075:2007
 PBBs, PBDEs - Ref. to IEC 62321-6:2015

2018-01-26

Sample	LoD	#1700,1900,2200,2500 (#=A,R,IR,IV,IV-R,HQ) plastic/transparent blue TCL180115-07
Material		
Lab.-No.		
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	10	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
- n.a. - not applicable
- 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

Produkte
Products

Test Report No. : 0114073389j 001
 Customer : FORMOSA IDEMITSU PETROCHEMICAL CORPORATION
 Test Method : BBP/DBP/DEHP/DIBP - Ref. to IEC 62321-8:2017

2018-01-26

Sample		LoD	#1700,1900,2200,2500 (#=A,R,IR,IV,IV-R,HQ) plastic/transparent blue TCL180115-07
Material			
Lab.-No.			
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
- n.a. - not applicable
- 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

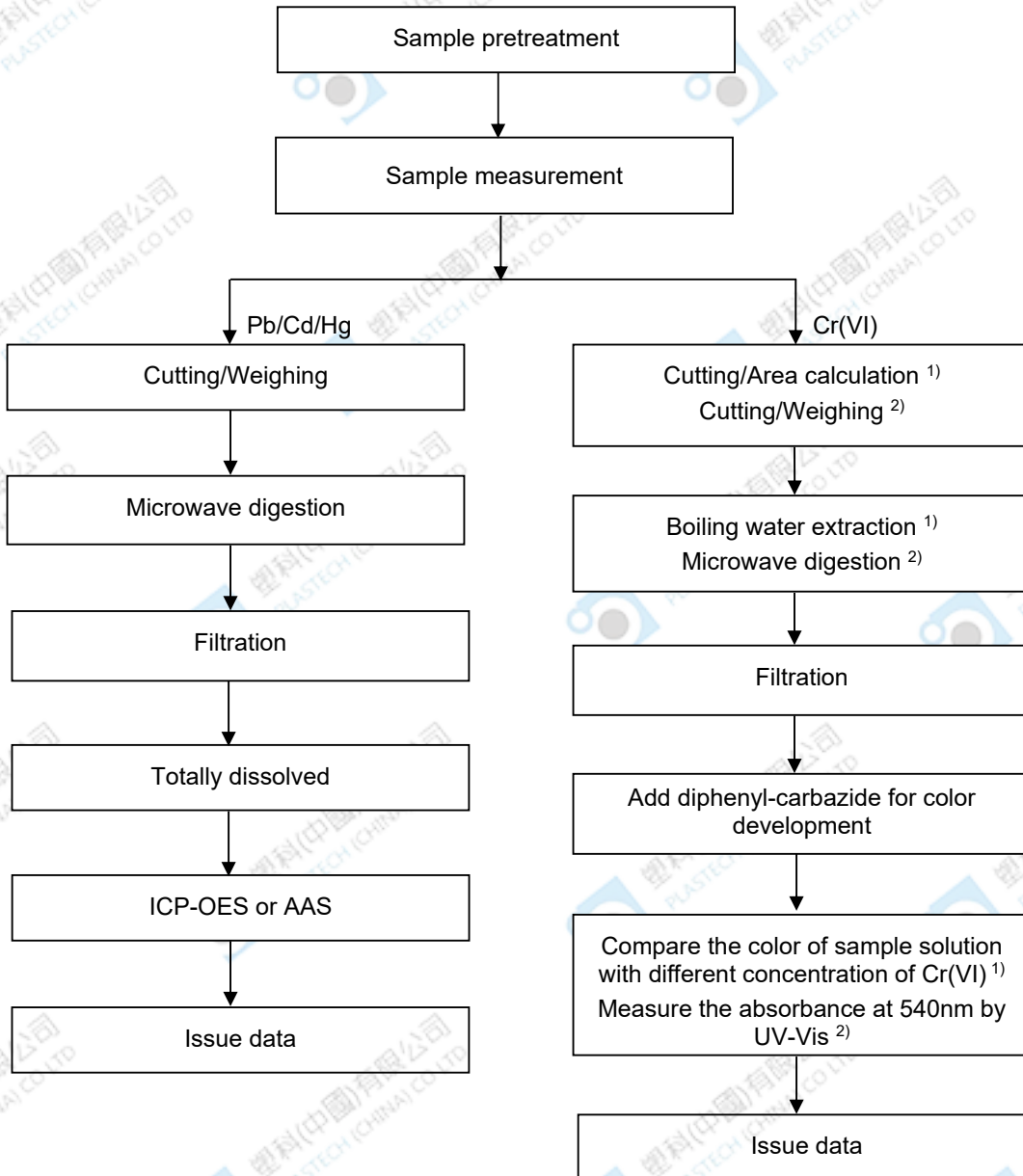
Test Sample


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2018-01-26

Testing procedure:

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



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

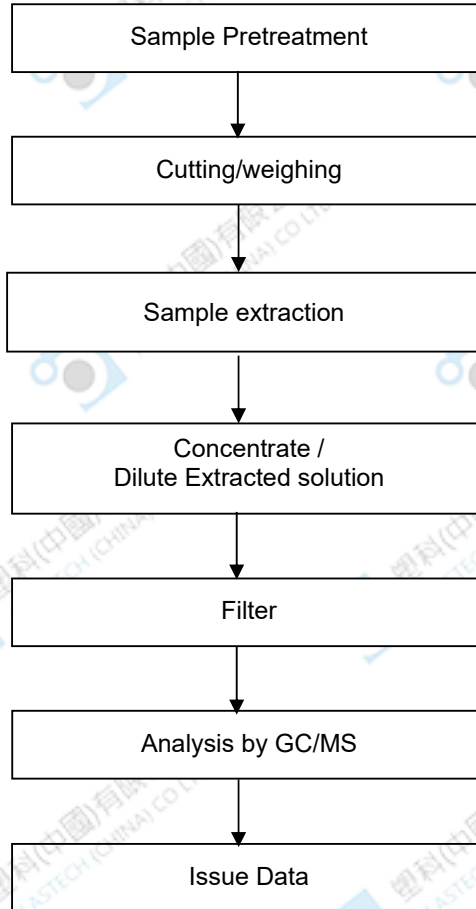


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Testing procedure:

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



--- End of Test-Report ---