



Prüfbericht - Nr.: 0238100012c 001		Seite 1 von 7	
<i>Test Report No.:</i>		<i>Page 1 of 7</i>	
Auftraggeber: <i>Client:</i>	Formosa Chemicals & Fibre Corporation 201, Tung Hwa N. Rd., Taipei 105, Taiwan, R.O.C.		
Gegenstand der Prüfung: <i>Test Item:</i>	Acrylonitrile/Styrene Copolymers (SAN)		
Bezeichnung: <i>Identification:</i>	TAIRISAN SAN : NF2200, NF2200-AE, NX3200, NX3400		
Anlieferungszustand: <i>Delivery condition:</i>	apparent good	Eingangsdatum: <i>Date of Receipt:</i>	2023-11-09
Prüfört: <i>Testing location:</i>	TÜV Rheinland (Shanghai) Co. 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)		
Prüfergebnis: <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:		
 Yueh-Li Lin /Senior Project Coordinator		 Tammy Wang /Assistant Manager	
Datum <i>Date</i>	Name/Stellung <i>Name/Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>
Sonstiges/ Other Aspects:			
Test period: 2023-11-09 -2023-11-11			
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	
<p>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.</p> <p><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></p>			



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Sample list:

Mat. No.	Description	Material	Color	Location / Lab no.:
1	NF2200	Plastic	Transparent	TCL190109-48
2	NF2200-AE	Plastic	Transparent blue	TCL190109-49
3	NX3200	Plastic	Transparent yellow	TCL190109-50
4	NX3400	Plastic	Transparent yellow	TCL190109-51



Test Report No. : 0238100012c 001
 Customer : Formosa Chemicals & Fibre 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 No.		LoD	1	2	3	4
Cadmium (Cd)	mg/kg	2	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	2	n.d.	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	2	n.d.	n.d.	n.d.	n.d.
Chromium VI (Cr VI)*	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Sum of Polybrominated biphenyls (PBBs)	mg/kg	-	n.d.	n.d.	n.d.	n.d.
Monobromobiphenyl	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Dibromobiphenyl	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Tribromobiphenyl	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Tetrabromobiphenyl	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Pentabromobiphenyl	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Hexabromobiphenyl	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Heptabromobiphenyl	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Octabromobiphenyl	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Nonabromobiphenyl	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Decabromobiphenyl	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Sum of Polybrominated diphenyl ethers (PBDEs)	mg/kg	-	n.d.	n.d.	n.d.	n.d.
Monobromodiphenyl ether	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Dibromodiphenyl ether	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Tribromodiphenyl ether	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Tetrabromodiphenyl ether	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Pentabromodiphenyl ether	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Hexabromodiphenyl ether	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Heptabromodiphenyl ether	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Octabromodiphenyl ether	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Nonabromodiphenyl ether	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Decabromodiphenyl ether	mg/kg	5	n.d.	n.d.	n.d.	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. : 0238100012c 001
 Customer : Formosa Chemicals & Fibre Corporation
 Test Method : BBP/DBP/DEHP/DIBP - Ref. to IEC 62321-8:2017

Sample/Material No.	LoD	1	2	3	4
Benzylbutylphthalate (BBP) mg/kg	50	n.d.	n.d.	n.d.	n.d.
Dibutylphthalate (DBP) mg/kg	50	n.d.	n.d.	n.d.	n.d.
Diethylhexylphthalate (DEHP) mg/kg	50	n.d.	n.d.	n.d.	n.d.
Diisobutylphthalate (DIBP) mg/kg	50	n.d.	n.d.	n.d.	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



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Test Sample



1



2



3

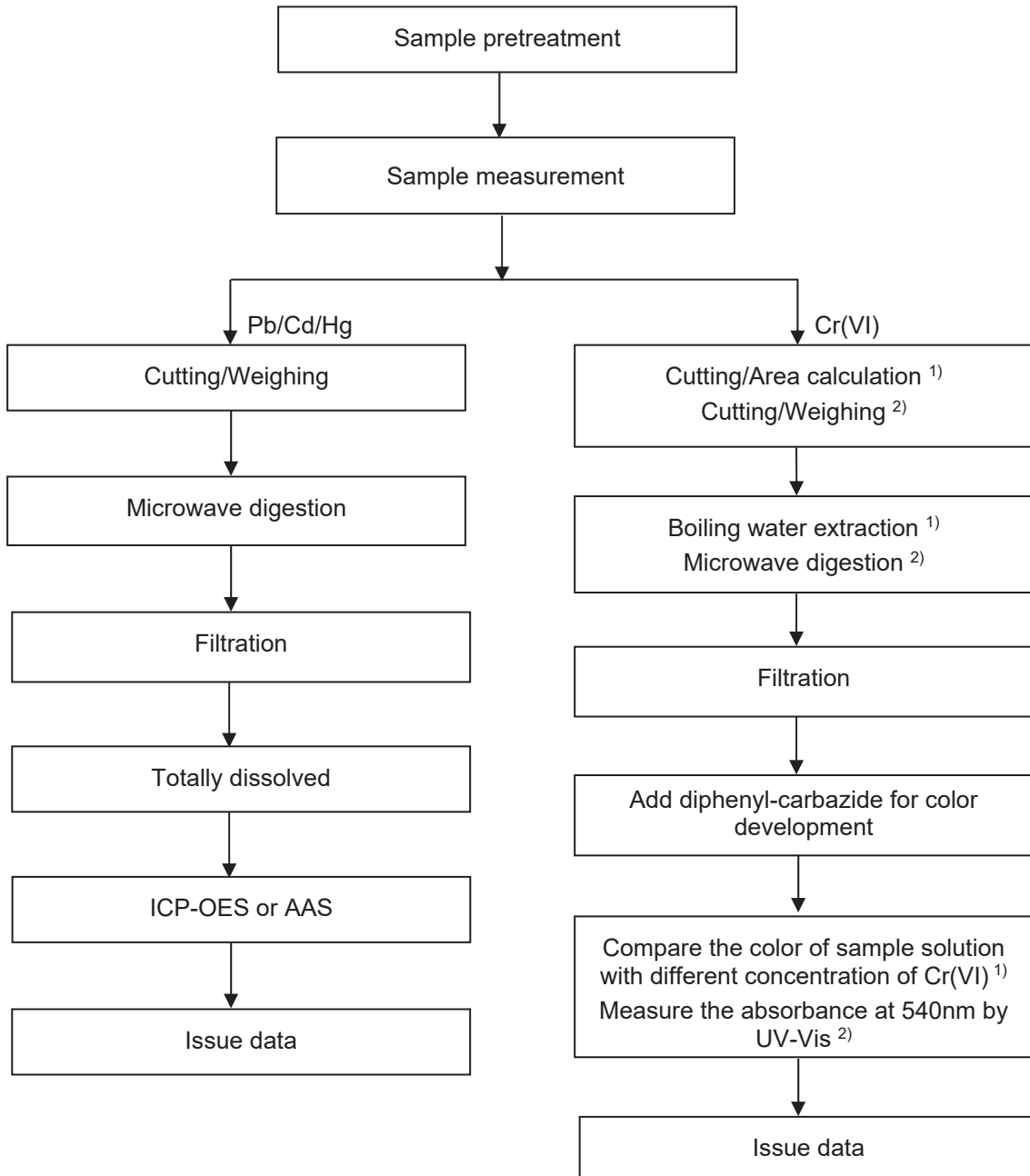


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Testing procedure:

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



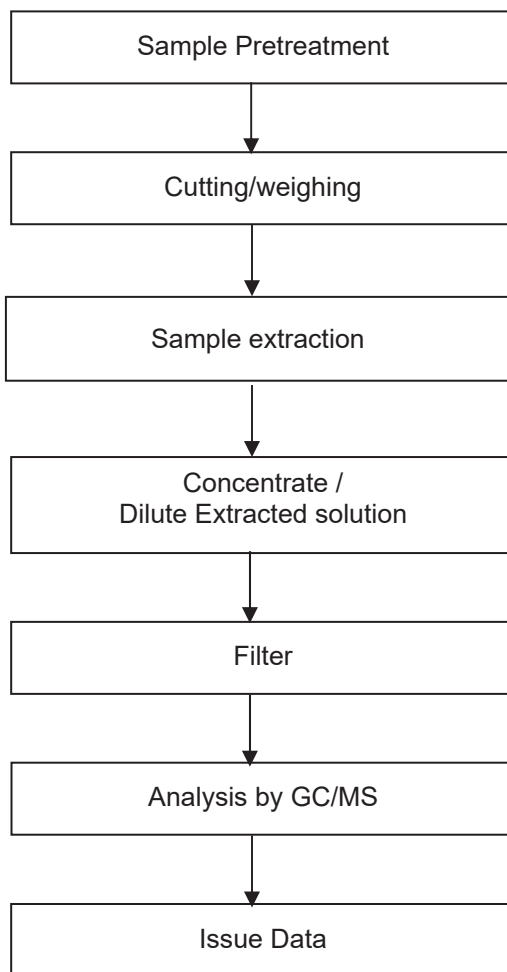
Notes: ¹⁾ For metallic material
²⁾ For non-metallic material



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Testing procedure:

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



--- End of Test-Report ---

