



Test Report

No.: EKR24B01870

Date: 03-Dec-2024

Page: 1 of 7

FORMOSA PLASTICS CORPORATION

10F, NO. 380, SEC. 6, NANJING E. RD., NEIHU DIST., TAIPEI CITY, TAIWAN (R.O.C.)

The following sample(s) was/were submitted and identified by the applicant as:

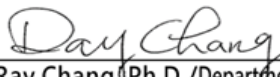
Sample Submitted By : FORMOSA PLASTICS CORPORATION
Sample Name : FORMOCON
Style/Item No. : FM090LMD
SGS Ref. No. : SFW24B00957

Sample Receiving Date : 27-Nov-2024
Testing Period : 27-Nov-2024 to 03-Dec-2024

Test Requested : As specified by client, with reference to RoHS 2011/65/EU Annex II and amending Directive (EU) 2015/863 to determine Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP contents in the submitted sample(s).

Test Results : Please refer to following pages.

Conclusion : Based on the performed tests on submitted sample(s), the test results of Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.


Ray Chang, Ph.D./Department Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory-Kaohsiung



PIN CODE: CB44F6AF

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Test Report

No.: EKR24B01870

Date: 03-Dec-2024

Page: 2 of 7

FORMOSA PLASTICS CORPORATION

10F, NO. 380, SEC. 6, NANJING E. RD., NEIHU DIST., TAIPEI CITY, TAIWAN (R.O.C.)

Test Part Description

No.1 : NATURE PELLETS

Test Result(s)

Test Item(s)	Method	Unit	MDL	Result	Limit
				No.1	
Cadmium (Cd)	With reference to IEC 62321-5: 2013, analysis was performed by ICP-OES.	mg/kg	2	n.d.	100
Lead (Pb)		mg/kg	2	n.d.	1000
Mercury (Hg)	With reference to IEC 62321-4: 2013+ AMD1: 2017, analysis was performed by ICP-OES.	mg/kg	2	n.d.	1000
Hexavalent Chromium Cr(VI)	With reference to IEC 62321-7-2: 2017, analysis was performed by UV-VIS.	mg/kg	8	n.d.	1000
Monobromobiphenyl	With reference to IEC 62321-6: 2015, analysis was performed by GC/MS.	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 PBBs		mg/kg	-	n.d.	1000
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.	-
Sum of PBDEs		mg/kg	-	n.d.	1000

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Test Report

No.: EKR24B01870

Date: 03-Dec-2024

Page: 3 of 7

FORMOSA PLASTICS CORPORATION

10F, NO. 380, SEC. 6, NANJING E. RD., NEIHU DIST., TAIPEI CITY, TAIWAN (R.O.C.)

Test Item(s)	Method	Unit	MDL	Result	Limit
				No.1	
Butyl benzyl phthalate (BBP)	With reference to IEC 62321-8: 2017, analysis was performed by GC/MS.	mg/kg	50	n.d.	1000
Dibutyl phthalate (DBP)		mg/kg	50	n.d.	1000
Diisobutyl phthalate (DIBP)		mg/kg	50	n.d.	1000
Di-(2-ethylhexyl) phthalate (DEHP)		mg/kg	50	n.d.	1000

Note :

1. mg/kg = ppm ; 0.1wt% = 0.1% = 1000ppm
2. MDL = Method Detection Limit
3. n.d. = Not Detected (Less than MDL)
4. "-" = Not Regulated
5. Unless otherwise stated , the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019. According to this rule, the judgement of conformity is based on the comparing test results with limits.

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Test Report

No.: EKR24B01870

Date: 03-Dec-2024

Page: 4 of 7

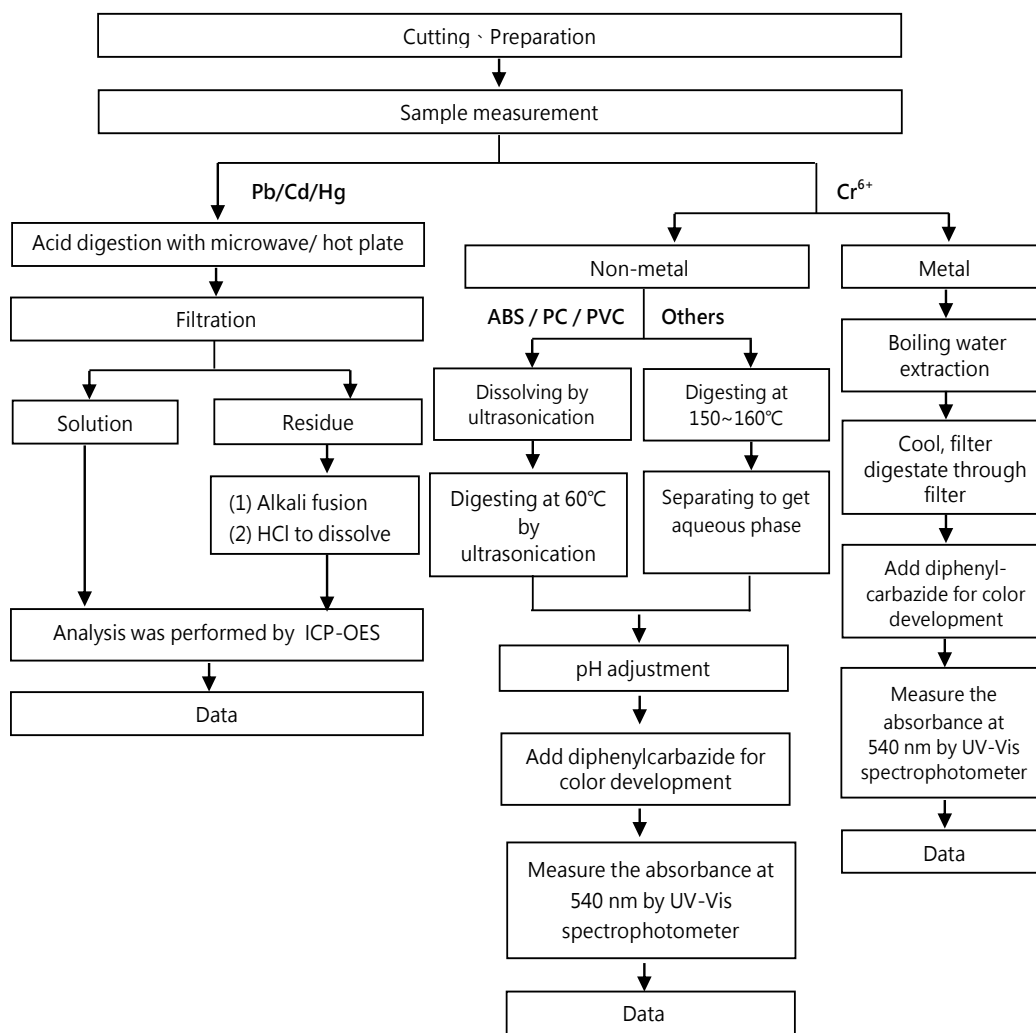
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Analytical flow chart of heavy metal

These samples were dissolved totally by pre-conditioning method according to below flow chart.

(Cr^{6+} test method excluded)



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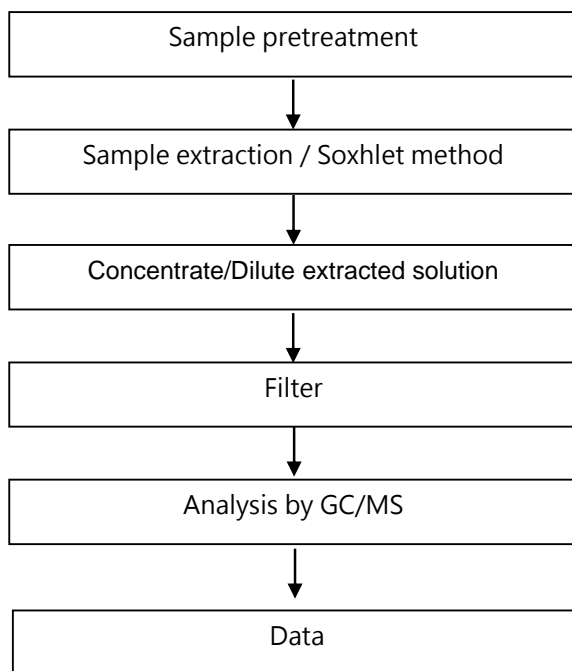
Date: 03-Dec-2024

Page: 5 of 7

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PBB/PBDE analytical FLOW CHART



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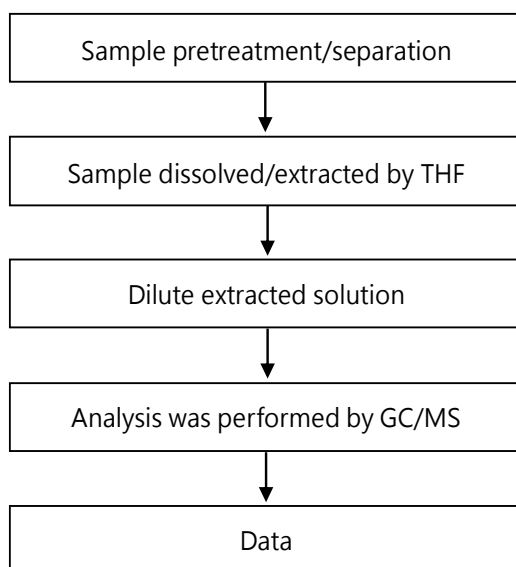
Page: 6 of 7

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Analytical flow chart - Phthalate

【Test method: IEC 62321-8】



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Test Report

No.: EKR24B01870

Date: 03-Dec-2024

Page: 7 of 7

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* The tested sample / part is marked by an arrow if it's shown on the photo. *

EKR24B01870



** End of Report **

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