



Chemical Laboratory - Kao.,SGS Taiwan Ltd.

TEST REPORT

FORMOSA PLASTICS CORPORATION

8F, 201, TUN HUA N. RD., TAIPEI, TAIWAN

REPORT NO.KE/2018/C1231

DATE: 2018/12/27

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THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CLIENT AS :

SAMPLE DESCRIPTION : FORMOCON.
COLOR : NATURE.
STYLE/ITEM NO. : FM090.
MATERIAL COMPOSITION : POLYOXYMETHYLENE.
SAMPLE RECEIVED : 2018/12/22.
TESTING PERIOD : 2018/12/22 TO 2018/12/27.
SAMPLE SUBMITTED BY : FORMOSA PLASTICS CORPORATION.

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 RESULT(S) : PLEASE REFER TO NEXT PAGE(S).


Ray Chang Ph.D. / Manager - Tech
 Signed for and on behalf of
SGS Taiwan Limited



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TEST RESULT(S) :

TEST ITEM(S)	UNIT	METHOD	MDL	SPEC	RESULT	CONCL.
CADMIUM (Cd)	ppm	WITH REFERENCE TO IEC 62321-5:2013 AND PERFORMED BY ICP-OES.	2	<100	n.d.	PASS
LEAD (Pb)	ppm	WITH REFERENCE TO IEC 62321-5:2013 AND PERFORMED BY ICP-OES.	2	<1000	n.d.	PASS
MERCURY (Hg)	ppm	WITH REFERENCE TO IEC 62321-4:2013 AND PERFORMED BY ICP-OES.	2	<1000	n.d.	PASS
CHROMIUM VI	ppm	WITH REFERENCE TO IEC 62321-7-2:2017 AND PERFORMED BY UV-VIS.	8	<1000	n.d.	PASS
POLYBROMINATED BIPHENYL	---	---	---	---	---	---
MONOBROMOBIPHENYL	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
DIBROMOBIPHENYL	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
TRIBROMOBIPHENYL	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
TETRABROMOBIPHENYL	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
PENTABROMOBIPHENYL	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
HEXABROMOBIPHENYL	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---

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TEST ITEM(S)	UNIT	METHOD	MDL	SPEC	RESULT	CONCL.
HEPTABROMOBIPHENYL	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
OCTABROMOBIPHENYL	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
NONABROMOBIPHENYL	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
DECABROMOBIPHENYL	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
SUM OF PBBs	ppm	---	---	<1000	n.d.	PASS
POLYBROMINTED BIPHENYL ETHERS (PBDEs)	---	---	---	---	---	---
MONOBROMODIPHENYL ETHER	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
DIBROMODIPHENYL ETHER	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
TRIBROMODIPHENYL ETHER	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
TETRABROMODIPHENYL ETHER	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
PENTABROMODIPHENYL ETHER	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
HEXABROMODIPHENYL ETHER	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
HEPTABROMODIPHENYL ETHER	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---

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TEST ITEM(S)	UNIT	METHOD	MDL	SPEC	RESULT	CONCL.
OCTABROMODIPHENYL ETHER	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
NONABROMODIPHENYL ETHER	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
DECABROMODIPHENYL ETHER	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
SUM OF PBDEs	ppm	---	---	<1000	n.d.	PASS
PHthalATES	---	---	---	---	---	---
DI-ISOBUTYL PHTHALATE (DIBP) (CAS NO.84-69-5)	ppm	WITH REFERENCE TO IEC 62321-8:2017. ANALYSIS WAS PERFORMED BY GC/MS.	50	<1000	n.d.	PASS
DIBUTYL PHTHALATE (DBP) (CAS NO.84-74-2)	ppm	WITH REFERENCE TO IEC 62321-8:2017. ANALYSIS WAS PERFORMED BY GC/MS.	50	<1000	n.d.	PASS
BUTYL BENZYL PHTHALATE (BBP) (CAS NO.85-68-7)	ppm	WITH REFERENCE TO IEC 62321-8:2017. ANALYSIS WAS PERFORMED BY GC/MS.	50	<1000	n.d.	PASS
BIS(2-ETHYLHEXYL) PHTHALATE (DEHP) (CAS NO.117-81-7)	ppm	WITH REFERENCE TO IEC 62321-8:2017. ANALYSIS WAS PERFORMED BY GC/MS.	50	<1000	n.d.	PASS

NOTE 1 : mg/kg=ppm

NOTE 2 : MDL = METHOD DETECTION LIMIT.

NOTE 3 : n.d. = NOT DETECTED.

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SAMPLE PHOTO

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

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** END OF REPORT **