

TEST REPORT


FORMOSA PLASTICS CORPORATION
8F, NO. 201, TUN HUA N. RD., TAIPEI, TAIWAN

REPORT NO.KE/2019/12232
DATE: 2019/01/29
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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 : 2019/01/23.
TESTING PERIOD : 2019/01/23 TO 2019/01/29.
SAMPLE SUBMITTED BY : FORMOSA PLASTICS CORPORATION.

--- PLEASE SEE THE NEXT PAGE FOR TEST RESULT(S) ---


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



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TEST RESULT(S) :

TEST ITEM(S)	UNIT	METHOD	MDL	RESULT
1,2-BENZENEDICARBOXYLIC ACID, DI-C6-10-ALKYL ESTERS; 1,2-BENZENEDICARBOXYLIC ACID, MIXED DECYL AND HEXYL AND OCTYL DIESTERS WITH $\geq 0.3\%$ OF DIHEXYL PHTHALATE (CAS NO.68515-51-5/68648-93-1)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	100	n.d.
1,2-BENZENEDICARBOXYLIC ACID, DIHEXYL ESTER, BRANCHED AND LINEAR (CAS NO.68515-50-4)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	100	n.d.
1,2-BENZENEDICARBOXYLIC ACID, DIPENTYLESTER, BRANCHED AND LINEAR (CAS NO.84777-06-0)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
BUTYL BENZYL PHTHALATE (BBP) (CAS NO.85-68-7)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
BIS(4-METHYL-2-PENTYL) PHTHALATE (BMPP) (CAS NO.146-50-9)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
DIALLYL PHTHALATE (DAP) (CAS NO.131-17-9)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
BIS(2-N-BUTOXYETHYL) PHTHALATE (DBEP) (CAS NO.117-83-9)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
DIBUTYL PHTHALATE (DBP) (CAS NO.84-74-2)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.

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TEST ITEM(S)	UNIT	METHOD	MDL	RESULT
DIBENZYL PHTHALATE (DBZP) (CAS NO.523-31-9)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
DI-CYCLOHEXYL PHTHALATE (DCHP) (CAS NO.84-61-7)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
BIS(2-ETHOXYETHYL) PHTHALATE (DEEP) (CAS NO.605-54-9)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
BIS(2-ETHYLHEXYL) ADIPATE (DEHA) (CAS NO.103-23-1)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
BIS(2-ETHYLHEXYL) PHTHALATE (DEHP) (CAS NO.117-81-7)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
DI(2-ETHYLHEXYL) TEREPHTHALATE (DEHT) (CAS NO.6422-86-2)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
DIETHYL PHTHALATE (DEP) (CAS NO.84-66-2)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
1,2-BENZENEDICARBOXYLIC ACID, DI- C7-11-BRANCHED AND LINEAR ALKYL ESTERS (DHNUP) (CAS NO.68515-42-4)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	100	n.d.
DIHEPTYL PHTHALATE (DHpP) (CAS NO.3648-21-3)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
DI-ISOBUTYL PHTHALATE (DIBP) (CAS NO.84-69-5)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
DI-ISO-DECYL PHTHALATE (DIDP) (CAS NO.26761-40-0/68515-49-1)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	100	n.d.

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TEST ITEM(S)	UNIT	METHOD	MDL	RESULT
1,2-BENZENEDICARBOXYLIC ACID, DI-C6-8-BRANCHED ALKYL ESTERS, C7-RICH (DIHP) (CAS NO.71888-89-6)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	100	n.d.
DI-ISO-HEXYLPHTHALATE (DIHxP) (CAS NO.71850-09-4)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	100	n.d.
DI-ISO-NONYL ADIPATE (DINA) (CAS NO.33703-08-1)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	100	n.d.
DI ISONONYL PHTHALATE (DINP) (CAS NO.28553-12-0/68515-48-0)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	100	n.d.
DI-ISOOCTYL PHTHALATE (DIOP) (CAS NO.27554-26-3)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	100	n.d.
DIISOPENTYL PHTHALATE (DiPP) (CAS NO.605-50-5)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
BIS-(2-METHOXYETHYL) PHTHALATE (DMEP) (CAS NO.117-82-8)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
DIMETHYL PHTHALATE (DMP) (CAS NO.131-11-3)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
DIMETHYL TEREPHTHALATE (DMTP) (CAS NO.120-61-6)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
DI-N-DECYL PHTHALATE (DnDP) (CAS NO.84-77-5)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
DI-N-HEXYL PHTHALATE (DNHP) (CAS NO.84-75-3)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.

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TEST ITEM(S)	UNIT	METHOD	MDL	RESULT
DI-N-NONYL PHTHALATE (DNNP) (CAS NO.84-76-4)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
DI-N-OCTYL PHTHALATE (DNOP) (CAS NO.117-84-0)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
DIPHENYL PHTHALATE (DPhP) (CAS NO.84-62-8)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
DIPENTYL PHTHALATE (DPP) (CAS NO.131-18-0)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
DI(2-PROPYLHEPTYL) PHTHALATE (DPrHP) (CAS NO.53306-54-0)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	100	n.d.
DI-N-PROPYL PHTHALATE(DPrP) (CAS NO.131-16-8)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
DI-N-UNDECYL PHTHALATE(DUDP) (CAS NO.3648-20-2)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	100	n.d.
MONOBUTYL PHTHALATE(MBP) (CAS NO.131-70-4)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
MONO-2-ETHYLHEXYL PHTHALATE(MEHP) (CAS NO.4376-20-9)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
n-PENTYL-ISOPENTYL PHTHALATE (nPiPP) (CAS NO.776297-69-9)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
UNDECYL DODECYL PHTHALATE(UDP) (CAS NO.68515-47-9)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	250	n.d.

NOTE 1 : mg/kg=ppm

NOTE 2 : MDL = METHOD DETECTION LIMIT.

NOTE 3 : n.d. = Not Detected.

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SAMPLE PHOTO

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** END OF REPORT **

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