

## TEST REPORT

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

REPORT NO.KE/2020/20727  
REPORT ISSUE DATE: 2020/02/20  
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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** : 2020/02/15.  
**TESTING PERIOD** : 2020/02/15 TO 2020/02/20.  
**SAMPLE SUBMITTED BY** : FORMOSA PLASTICS CORPORATION.

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--- PLEASE SEE THE NEXT PAGE FOR TEST RESULT(S) ---  
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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	RL	RESULT
<b>PHthalATES</b>	---	---	---	---
1,2-BENZENEDICARBOXYLIC ACID, DI-C6-10-ALKYL ESTERS; 1,2-BENZENEDICARBOXYLIC ACID, MIXED DECYL AND HEXYL AND OCTYL DIESTERS WITH ≥ 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.
BENZYL BENZOATE (BB) (CAS NO.120-51-4)	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-(2-METHOXYETHYL) PHTHALATE (BMEP) (CAS NO.117-82-8)	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.

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TEST ITEM(S)	UNIT	METHOD	RL	RESULT
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.
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.

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TEST ITEM(S)	UNIT	METHOD	RL	RESULT
DIHEXYL PHTHALATE (DHxP) (CAS NO.84-75-3)	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.
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.
DIUNDECYL PHTHALATE (DIUP) (CAS NO.96507-86-7)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	100	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.

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TEST ITEM(S)	UNIT	METHOD	RL	RESULT
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.
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.
DINONYLPHTHALATE(DNP) (CAS NO.84-76-4)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
DI-n-PENTYL PHTHALATE (DnPP) (CAS NO.131-18-0)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
DI-2-ETHYLHEXYL ADIPATE (DOA) (CAS NO.103-23-1)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
DIOCTYL TEREPHTHALATE (DOTP) (CAS NO.6422-86-2)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.
DI-n-PENTYL PHTHALATE (DPENP) (CAS NO.131-18-0)	ppm	WITH REFERENCE TO EN 14372. ANALYSIS WAS PERFORMED BY GC-MS.	30	n.d.

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TEST ITEM(S)	UNIT	METHOD	RL	RESULT
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.
n-PENTYL-ISOPENTYL PHTHALATE (iPnPP) (CAS NO.776297-69-9)	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 : RL = REPORTING LIMIT  
 NOTE 3 : n.d. = Not Detected.

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### SAMPLE PHOTO

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