

Test Report

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FORMOSA PLASTICS CORPORATION
NO. 1, SHIHUUA 1ST RD., LINYUAN DISTRICT, KAOHSIUNG CITY 832, TAIWAN
(R.O.C.)

The following sample(s) was/were submitted and identified by/on behalf of the client as :

Sample Description	:	POLYPROPYLENE HOMOPOLYMER
Style/Item No.	:	1003,1005,1005N,1005T,1009,1020,1020L,1020T,1024,1024T, 1030T,1040,1040F,1040U,1080,1100,1120,1120D,1124,1124H, 1202F,1250D,1252F,1350D,1352F,1352S,1450D,1600A,1600D, 1600N,1700D,1900D,1990,2020,2020H,2020S,2080,2100,2100M, 2100T,6005P,6020P.
Material Component	:	POLYPROPYLENE HOMOPOLYMER
Color	:	CLEAR
Sample Receiving Date	:	2018/01/30
Testing Period	:	2018/01/30 TO 2018/2/5
Sample Submitted By	:	FORMOSA PLASTICS CORPORATION

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Test Result(s) : Please refer to next page(s).



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

Test Report

FORMOSA PLASTICS CORPORATION
NO. 1, SHIHUUA 1ST RD., LINYUAN DISTRICT, KAOHSIUNG CITY 832, TAIWAN
(R.O.C.)

Test Result(s)

PART NAME NO.1 : CLEAR POLYPROPYLENE HOMOPOLYMER

Test Item (s):	Unit	Method	MDL	Result
				No.1
MBP (Monobutyl phthalate) (CAS No.: 131-70-4)	%	With reference to EN 14372. Analysis was performed by GC/MS.	0.003	n.d.
DPrHP (Di(2-propylheptyl) phthaate) (CAS No.: 53306-54-0)	%		0.003	n.d.
1,2-Benzenedicarboxylic acid, dihexylester, branched and linear (CAS No.: 68515-50-4)	%		0.01	n.d.
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear (CAS No.: 84777-06-0)	%		0.003	n.d.
nPIPP (N-pentyl-isopentylphthalate) (CAS No.: 776297-69-9)	%		0.003	n.d.
DINA (Di-isononyl adipate) (CAS No.: 33703-08-1)	%		0.01	n.d.
BBP (Butyl benzyl phthalate) (CAS No.: 85-68-7)	%		0.003	n.d.
DBP (Dibutyl phthalate) (CAS No.: 84-74-2)	%		0.003	n.d.
DEHP (Di- (2-ethylhexyl) phthalate) (CAS No.: 117-81-7)	%		0.003	n.d.
DIDP (Di-isodecyl phthalate) (CAS No.: 26761-40-0, 68515-49-1)	%		0.01	n.d.
DINP (Di-isononyl phthalate) (CAS No.: 28553-12-0, 68515-48-0)	%		0.01	n.d.
DNOP (Di-n-octyl phthalate) (CAS No.: 117-84-0)	%		0.003	n.d.
DEHA (Bis(2-ethylhexyl) adipate) (CAS No.: 103-23-1)	%		0.003	n.d.
DIBP (Di-isobutyl phthalate) (CAS No.: 84-69-5)	%		0.003	n.d.
DMP (Dimethyl phthalate) (CAS No.: 131-11-3)	%		0.003	n.d.
DPrP (Di-propyl phthalate) (CAS No.: 131-16-8)	%		0.003	n.d.
DCHP (Di-cyclohexyl phthalate) (CAS No.: 84-61-7)	%		0.003	n.d.
DEP (Di-ethyl phthalate) (CAS No.: 84-66-2)	%		0.003	n.d.

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Test Item (s):	Unit	Method	MDL	Result
				No.1
DIOP (Di-isooctyl phthalate) (CAS No.: 27554-26-3)	%	With reference to EN 14372. Analysis was performed by GC/MS.	0.01	n.d.
DNNP (Di-n-nonyl phthalate)(DNP) (CAS No.: 84-76-4)	%		0.003	n.d.
DNHP (Di-n-hexyl phthalate) (CAS No.: 84-75-3)	%		0.003	n.d.
DMEP (Bis (2-methoxyethyl) phthalate) (CAS No.: 117-82-8)	%		0.003	n.d.
DBZP(Dibenzyl phthalate) (CAS No.: 523-31-9)	%		0.003	n.d.
DPhP(Diphenyl phthalate) (CAS No.: 84-62-8)	%		0.003	n.d.
DIPP (Diisopentyl Phthalat) (CAS No.: 605-50-5)	%		0.003	n.d.
DEEP (bis (2-Ethoxyethyl)phthalate) (CAS No.: 605-54-9)	%		0.003	n.d.
DIHP (1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich) (CAS No.: 71888-89-6)	%		0.01	n.d.
DHNUP (1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters) (CAS No.: 68515-42-4)	%		0.01	n.d.
DAP (Diallyl phthalate) (CAS No.: 131-17-9)	%		0.003	n.d.
DNPP(Di-n-pentyl phthalate) (CAS No.: 131-18-0)	%		0.003	n.d.
MEHP (Mono(2-ethyl hexyl) Ester) (CAS No.: 4376-20-9)	%		0.003	n.d.
DEHT (Di(2-ethylhexyl) terephthalate) (CAS No.: 6422-86-2)	%		0.003	n.d.
DUDP (Di-n-undecyl phthalate) (CAS No.: 3648-20-2)	%		0.01	n.d.
DMTP (Dimethyl terephthalate) (CAS No.: 120-61-6)	%		0.003	n.d.
DNDP (Di-n-decyl phthalate) (CAS No.: 87-77-5)	%	0.003	n.d.	

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 (R.O.C.)

Test Item (s):	Unit	Method	MDL	Result
				No.1
DBEP (Bis(2-n-Butoxyethyl)phthalate) (CAS No.: 117-83-9)	%	With reference to EN 14372. Analysis was performed by GC/MS.	0.003	n.d.
BMPP (Di(4-methyl-2-Pentyl)phthalate) (CAS No.: 146-50-9)	%		0.003	n.d.
DHPP (Diheptyl Phthalate) (CAS No.: 3648-21-3)	%		0.003	n.d.
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)	%		0.01	n.d.
DIHxP (Di-iso-hexylphthalate) (CAS NO.: 71850-09-4)	%		0.01	n.d.
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)	%		0.01	n.d.

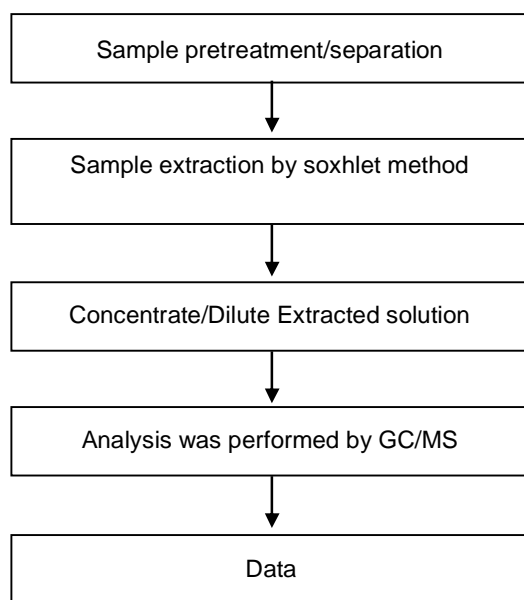
- Note :
1. mg/kg = ppm ; 0.1wt% = 1000ppm
 2. n.d. = Not Detected
 3. MDL = Method Detection Limit

Test Report

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(R.O.C.)

Analytical flow chart of phthalate content

- 1) Name of the person who made measurement: Dorothy Chen
- 2) Name of the person in charge of measurement: Ray Chang



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

KE/2018/12644



** End of Report **

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