

Test Report

No.: KE/2018/20357 Date: 2018/02/12 Page: 1 of 6

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

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

Sample Description : FORMOCON

Style/Item No. : FM130

Material Component : POLYOXYMETHYLENE

Color : NATURE Sample Receiving Date : 2018/02/06

Testing Period : 2018/02/06 TO 2018/02/12

Sample Submitted By : FORMOSA PLASTICS CORPORATION

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

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

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#### Test Result(s)

PART NAME NO.1

#### NATURE COLORED POLYOXYMETHYLENE GRANULE

Test Item (s):	Unit	Method	MDL	Result
				No.1
MBP (Monobutyl phthalate) (CAS No.:	%		0.003	n.d.
131-70-4)				
DPrHP (Di(2-propylheptyl) phthaate)	%		0.003	n.d.
(CAS No.: 53306-54-0)				
1,2-Benzenedicarboxylic acid,	%		0.01	n.d.
dihexylester, branched and linear (CAS				
No.: 68515-50-4)		_		
1,2-Benzenedicarboxylic acid,	%		0.003	n.d.
dipentylester, branched and linear (CAS				
No.: 84777-06-0)				
nPiPP (N-pentyl-isopentylphtalate) (CAS	%	7	0.003	n.d.
No.: 776297-69-9)				
DINA (Di-isononyl adipate) (CAS No.:	%	7	0.01	n.d.
33703-08-1)				
BBP (Butyl benzyl phthalate) (CAS No.:	%	7	0.003	n.d.
85-68-7)				
DBP (Dibutyl phthalate) (CAS No.: 84-74-	%	7	0.003	n.d.
2)		With reference to EN 14372.		
DEHP (Di- (2-ethylhexyl) phthalate) (CAS	%	Analysis was performed by	0.003	n.d.
No.: 117-81-7)	70	GC/MS.	0.000	1
DIDP (Di-isodecyl phthalate) (CAS No.:	%		0.01	n.d.
26761-40-0, 68515-49-1)	, ,		0.0.	
DINP (Di-isononyl phthalate) (CAS No.:	%	1	0.01	n.d.
28553-12-0, 68515-48-0)	, ,		0.0.	
DNOP (Di-n-octyl phthalate) (CAS No.:	%		0.003	n.d.
117-84-0)	, •			
DEHA (Bis(2-ethylhexyl) adipate) (CAS	%	1	0.003	n.d.
No.: 103-23-1)				
DIBP (Di-isobutyl phthalate) (CAS No.:	%	1	0.003	n.d.
84-69-5)				
DMP (Dimethyl phthalate) (CAS No.: 131-	%	7	0.003	n.d.
11-3)		-		
DPrP (Di-propyl phthalate) (CAS No.:	%		0.003	n.d.
131-16-8)				
DCHP (Di-cyclohexyl phthalate) (CAS	%	7	0.003	n.d.
No.: 84-61-7)				
DEP (Di-ethyl phthalate) (CAS No.: 84-66-	%	7	0.003	n.d.
2)				

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Test Item (s):	Unit	Method	MDL	Result
` ,		Wetriod		No.1
DIOP (Di-isooctyl phthalate) (CAS No.:	%		0.01	n.d.
27554-26-3)				
DNNP (Di-n-nonyl phthalate)(DNP) (CAS	%		0.003	n.d.
No.: 84-76-4)				
DNHP (Di-n-hexyl phthalate) (CAS No.:	%		0.003	n.d.
84-75-3)				
DMEP (Bis (2-methoxyethyl) phthalate)	%		0.003	n.d.
(CAS No.: 117-82-8)				
DBZP(Dibenzyl phthalate) (CAS No.: 523-	%		0.003	n.d.
31-9)				
DPhP(Diphenyl phthalate) (CAS No.: 84-	%		0.003	n.d.
62-8)				
DIPP (Diisopentyl Phthalat) (CAS No.:	%		0.003	n.d.
605-50-5)				
DEEP (bis (2-Ethoxyethyl)phthalate) (CAS	%		0.003	n.d.
No.: 605-54-9)				
DIHP (1,2-Benzenedicarboxylic acid, di-	%	N/31 (	0.01	n.d.
C6-8-branched alkyl esters, C7-rich) (CAS		With reference to EN 14372.		
No.: 71888-89-6)		Analysis was performed by		
DHNUP (1,2-Benzenedicarboxylic acid,	%	GC/MS.	0.01	n.d.
di-C7-11-branched and linear alkyl esters)				
(CAS No.: 68515-42-4)				
DAP (Diallyl phthalate) (CAS No.: 131-17-	%		0.003	n.d.
9)				
DNPP(Di-n-pentyl phthalate) (CAS No.:	%		0.003	n.d.
131-18-0)				
MEHP (Mono(2-ethyl hexyl) Ester) (CAS	%	╡	0.003	n.d.
No.: 4376-20-9)	70		0.000	11.4.
DEHT (Di(2-ethylhexyl) terephthalate)	%	1	0.003	n.d.
(CAS No.: 6422-86-2)	, •		0.000	
DUDP (Di-n-undecyl phthalate) (CAS No.:	%		0.01	n.d.
3648-20-2)				
DMTP (Dimethyl terephthalate) (CAS No.:	%		0.003	n.d.
120-61-6)				
DNDP (Di-n-decyl phthalate) (CAS No.:	%	7	0.003	n.d.
87-77-5)				

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Test Item (s):	Unit	Method	MDL	Result
				No.1
DBEP (Bis(2-n-Butoxyethyl)phthalate) (CAS No.: 117-83-9)	%		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 ≥ 0.3% of dihexyl phthalate (CAS No.: 68515-51-5; 68648-93-1)	%	With reference to EN 14372. Analysis was performed by GC/MS.	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 ≥ 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

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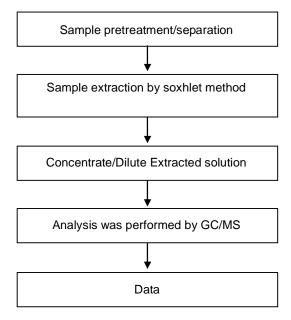
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#### Analytical flow chart of phthalate content

- 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. \*

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\*\* End of Report \*\*

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