

Test Report

Report No.: SFW24100021

Report Issue Date: 2024/01/08

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FORMOSA PLASTICS CORPORATION

NO. 1-1, SHIH-HWA 1ST RD., LIN-YUAN DISTRICT, KAOHSIUNG CITY 832, TAIWAN (R. O. C.)

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

Sample name : Polypropylene Impact Copolymer.
Color : White semi-clear.
Style/Item No. : 3003, 3004, 3005, 3010, 3015, 3015S, 3040, 3040C, 3040S, 3064H, 3080, 3080P, 3084, 3084H, 3090, 3155, 3184, 3200W, 3204, 3300N, 3304, 3354, 3504, 3600N, 4084, 4204, 4206, 4304, 4306, 4604
Material composition : 100%Polypropylene copolymer.
Sample submitted by : FORMOSA PLASTICS CORPORATION
=====

Sample receiving date : 2024/01/02.
Testing period : 2024/01/02 - 2024/01/08

--- Please see the next page for test result(s) ---

Ray Chang

Ray Chang, Ph.D. / Department Manager
Signed for and on behalf of
SGS Taiwan Ltd.
Chemical Laboratory-Kaohsiung



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Component list / List of materials

No. Component description

- White semi-clear pellets

Test result(s):

Test item(s)	Method	Unit	RL	Result
				No.1
Butyl benzyl phthalate (BBP) (CAS No.85-68-7)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
Mono(2-ethyl hexyl) ester (MEHP) (CAS No.4376-20-9)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
Di-cyclohexyl phthalate (DCHP) (CAS No.84-61-7)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
Di-pentyl phthalate (DNPP) (CAS No.131-18-0)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
Dipropyl phthalate (DPrP) (CAS No.131-16-8)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
Diethyl phthalate (DEP) (CAS No.84-66-2)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
Di-n-hexyl phthalate (DNHP) (CAS No.84-75-3)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
Diheptyl phthalate (DHpP) (CAS No.3648-21-3)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
Di-isobutyl phthalate (DIBP) (CAS No.84-69-5)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
Di-isononyl phthalate (DINP) (CAS No.28553-12-0; 68515-48-0)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	100	n.d.
Di-iso-decyl phthalate (DIDP) (CAS No.26761-40-0; 68515-49-1)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	100	n.d.
Di-n-nonyl phthalate (DNNP) (CAS No.84-76-4)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.

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FORMOSA PLASTICS CORPORATION

NO. 1-1, SHIH-HWA 1ST RD., LIN-YUAN DISTRICT, KAOHSIUNG CITY 832, TAIWAN (R. O. C.)

Test item(s)	Method	Unit	RL	Result
				No.1
Diisooctyl phthalate (DIOP) (CAS No.27554-26-3)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	100	n.d.
Diphenyl phthalate (DPhP) (CAS No.84-62-8)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
Bis(2-methoxyethyl) phthalate (DMEP) (CAS No.117-82-8)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
Di(2-ethylhexyl) terephthalate (DEHT) (CAS No.6422-86-2)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
Bis(2-ethylhexyl) phthalate (DEHP) (CAS No.117-81-7)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
Dibutyl phthalate (DBP) (CAS No.84-74-2)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
Dimethyl phthalate (DMP) (CAS No.131-11-3)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
Di-n-octyl phthalate (DNOP) (CAS No.117-84-0)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
Bis(2-ethylhexyl) adipate (DEHA) (CAS No.103-23-1)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
Dibenzyl phthalate (CAS No.523-31-9)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
N-pentyl iso-pentyl phthalate (NPIPP) (CAS No.776297-69-9)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
Diisopentyl phthalate (DIPP) (CAS No.605-50-5)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
Diundecyl phthalate (DUP) (CAS No.3648-20-2)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	100	n.d.
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) (CAS No.71888-89-6)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	100	n.d.
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNU) (CAS No.68515-42-4)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	100	n.d.
Diisononyl adipate (CAS No.33703-08-1)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	100	n.d.

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Test item(s)	Method	Unit	RL	Result
				No.1
Dimethyl terephthalate (DMTP) (CAS No.120-61-6)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
Di-n-decylphthalate (CAS No.84-77-5)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
Diallyl phthalate (DAP) (CAS No.131-17-9)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
bis(2-n-Butoxyethyl) phthalate (DBEP) (CAS No.117-83-9)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
Bis(2-ethoxyethyl) phthalate (DEEP) (CAS No.605-54-9)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
Bis(4-methyl-2-pentyl) phthalate (BMPP) (CAS No.146-50-9)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear (CAS No.68515-50-4)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	100	n.d.
Di(2-propylheptyl) phthalate (DPrHP) (CAS No.53306-54-0)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
Diisohexyl phthalate (DIHxP) (CAS No.71850-09-4)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	100	n.d.
Undecyl dodecyl phthalate (CAS No.68515-47-9)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	250	n.d.
Benzyl benzoate (BB) (CAS No.120-51-4)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.
Diundecyl phthalate (mixture of branched chain isomers) (DIUP) (CAS No.96507-86-7)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	100	n.d.
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear (DPP) (CAS No.84777-06-0)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	30	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)	With reference to EN 14372:2004. Analysis was performed by GC-MS.	mg/kg	100	n.d.

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Note:

- mg/kg = ppm ; 0.1 wt% = 1000 ppm
- RL = Reporting Limit
- n.d. = Not Detected

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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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