

# Test Report

Report No.: SFW25100502

Report Issue Date: 2025/01/10

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FORMOSA PLASTICS CORPORATION

NO. 100, SHUI-GUAN RD., RENWU DIST., KAOHSIUNG CITY 814 , TAIWAN

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

Sample name : Impact modifier additive.  
 Style/Item No. : M-41.  
 Material composition : Impact modifier additive.  
 Color : White.  
 Sample submitted by : FORMOSA PLASTICS CORPORATION

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Sample receiving date : 2025/01/06.  
 Testing period : 2025/01/06 - 2025/01/10

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



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



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FORMOSA PLASTICS CORPORATION  
NO. 100, SHUI-GUAN RD., RENWU DIST., KAOHSIUNG CITY 814 , TAIWAN

## Component list / List of materials

No. Component description

1 White powder

## 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.   |
| 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.   |

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| Test item(s)  | Method  | Unit  | RL  | Result |
|---|---|-------|-----|--------|
|   |   |       |     | No.1   |
| 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 (DHNUP) ( 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.   |
| 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.   |
| 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.   |
| 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.   |

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| Test item(s)  | Method  | Unit  | RL  | Result |
|---|---|-------|-----|--------|
|   |   |       |     | No.1   |
| 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.   |
| 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.   |
| 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.   |

## 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. \*

## SFW25100502



\*\* End of report \*\*

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