



# Test Report

No.: ETR23501214

Date: 16-May-2023

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MOORIM P&P CO., LTD.

3-36 UBONGGANGYANG-RO, ONSAN-EUP, ULJU-GUN, ULSAN 45011 KOREA

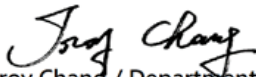
The following sample(s) was/were submitted and identified by the applicant as:

Sample Submitted By : MOORIM P&P CO., LTD.  
Sample Name : COATED PAPER  
Sample Material : PAPER  
SGS File No. : AYGU23-04554

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Sample Receiving Date : 09-May-2023  
Testing Period : 09-May-2023 to 16-May-2023

Test Requested : Testing item(s) is/are specified by client. Please refer to result table for testing item(s).

Test Results : Please refer to following pages.

  
Troy Chang / Department Manager  
Signed for and on behalf of  
SGS TAIWAN LTD.  
Chemical Laboratory - Taipei



PIN CODE: E8630ABF

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## Test Part Description

No.1 : WHITE SHEET

## Test Result(s)

Test Item(s)	Method	Unit	MDL	Result
				No.1
Cadmium (Cd) (CAS No.: 7440-43-9)	With reference to US EPA 3052: 1996, analysis was performed by ICP-OES.	mg/kg	2	n.d.
Lead (Pb) (CAS No.: 7439-92-1)	With reference to US EPA 3052: 1996, analysis was performed by ICP-OES.	mg/kg	2	n.d.
Mercury (Hg) (CAS No.: 7439-97-6)	With reference to US EPA 3052: 1996, analysis was performed by ICP-OES.	mg/kg	2	n.d.
Hexavalent Chromium Cr(VI) (CAS No.: 18540-29-9)	With reference to US EPA 3060A: 1996 & US EPA 7196A: 1992, analysis was performed by UV-VIS.	mg/kg	2	n.d.
Dibutyl phthalate (DBP) (CAS No.: 84-74-2)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.
Butyl benzyl phthalate (BBP) (CAS No.: 85-68-7)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.
Di-(2-ethylhexyl) phthalate (DEHP) (CAS No.: 117-81-7)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.
Diisodecyl phthalate (DIDP) (CAS No.: 26761-40-0, 68515-49-1)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.
Diisononyl phthalate (DINP) (CAS No.: 28553-12-0, 68515-48-0)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.
Di-n-octyl phthalate (DNOP) (CAS No.: 117-84-0)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.
Diisobutyl phthalate (DIBP) (CAS No.: 84-69-5)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.
Di-ethyl phthalate (DEP) (CAS No.: 84-66-2)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.
Dimethyl phthalate (DMP) (CAS No.: 131-11-3)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.
Diisooctyl phthalate (DIOP) (CAS No.: 27554-26-3)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.

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Test Item(s)	Method	Unit	MDL	Result
				No.1
Dipropyl phthalate (DPrP) (CAS No.: 131-16-8)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.
Di-cyclohexyl phthalate (DCHP) (CAS No.: 84-61-7)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.
Di-n-pentyl phthalate (DPENP) (CAS No.: 131-18-0)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.
Di-n-hexyl phthalate (DHEXP) (CAS No.: 84-75-3)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.
Bis(2-methoxyethyl) phthalate (DMEP) (CAS No.: 117-82-8)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.
N-pentyl iso-pentyl phthalate (NPIPP) (CAS No.: 776297-69-9)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.
Diisopentyl phthalate (DIPP) (CAS No.: 605-50-5)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP) (CAS No.: 68515-42-4)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) (CAS No.: 71888-89-6)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear (DHP) (CAS No.: 68515-50-4)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.
Di-iso-hexylphthalate (DIHxP) (CAS No.: 71850-09-4)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear (DPP) (CAS No.: 84777-06-0)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	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 CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.

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Test Item(s)	Method	Unit	MDL	Result
				No.1
Diallyl phthalate (DAP) (CAS No.: 131-17-9)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.
1,2-Benzenedicarboxylic acid, di(2-propylheptyl) ester (DPHP) (CAS No.: 53306-54-0)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.
Butyl phthalyl butyl glycolate (BPBG) (CAS No.: 85-70-1)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.
Ethyl phthalyl ethyl glycolate (EPEG) (CAS No.: 84-72-0)	With reference to CPSC-CH-C1001-09.4: 2018, analysis was performed by GC/MS.	mg/kg	50	n.d.

## Note :

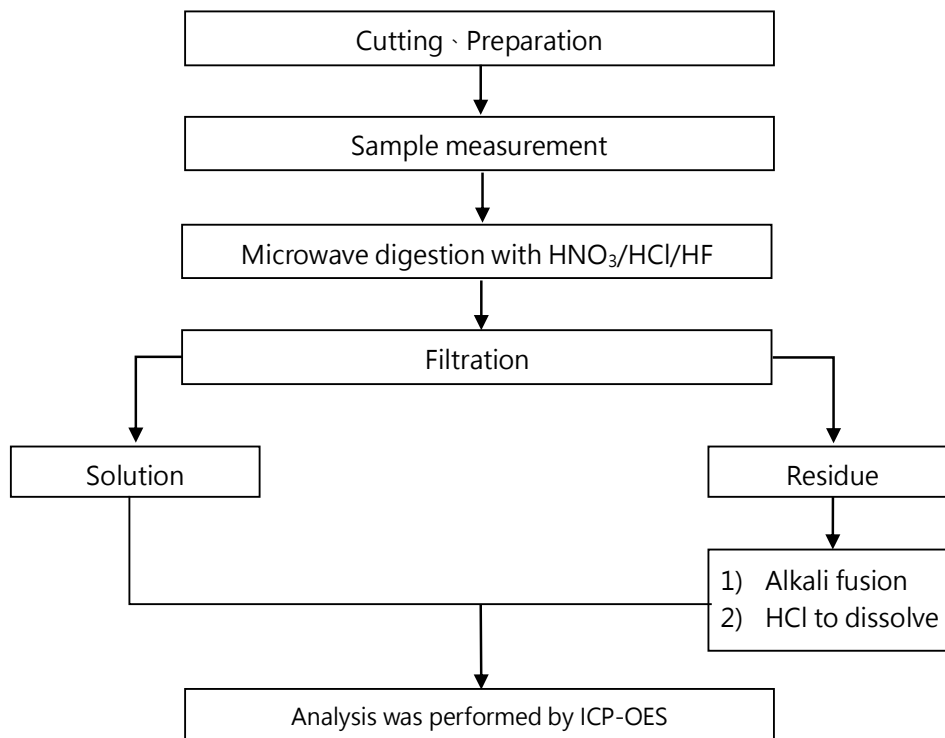
1. mg/kg = ppm ; 0.1wt% = 0.1% = 1000ppm
2. MDL = Method Detection Limit
3. n.d. = Not Detected ( Less than MDL)

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### Analytical flow chart of elements (Heavy metal included)

These samples were dissolved totally by pre-conditioning method according to below flow chart.

【 Reference method : US EPA 3051A · US EPA 3052 】

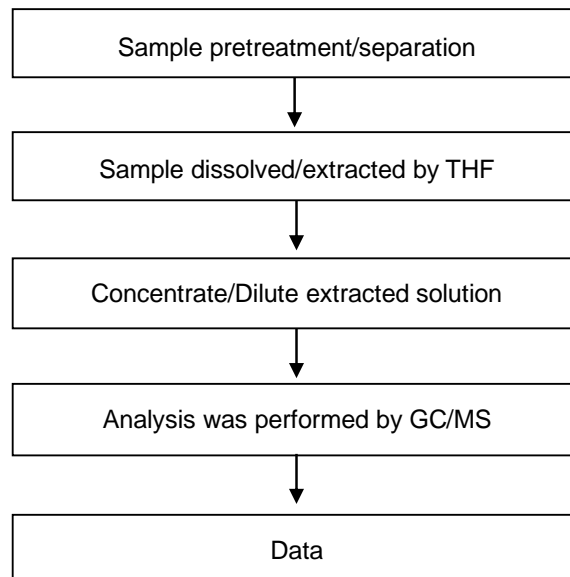


\* US EPA 3051A method does not add HF.

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### Analytical flow chart - Phthalate

**【Test method: CPSC-CH-C1001-09.4】**

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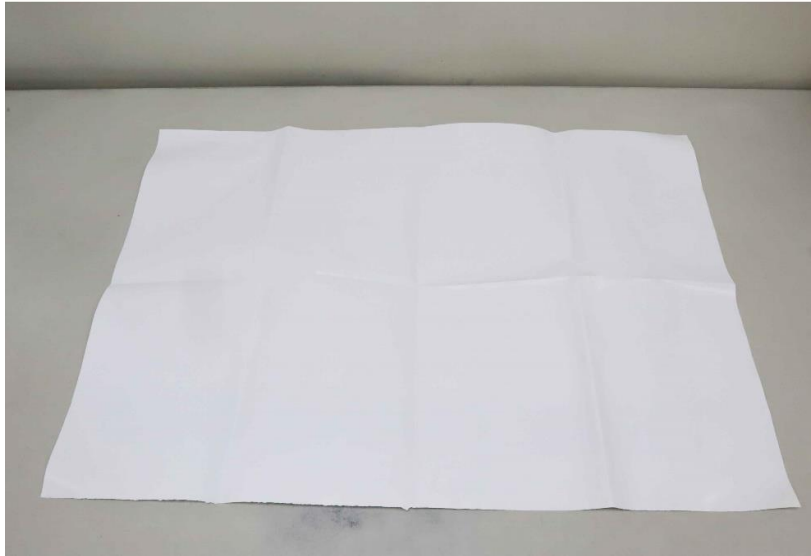
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\* The tested sample / part is marked by an arrow if it's shown on the photo. \*

### ETR23501214



\*\* End of Report \*\*

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