

Date: 24-Mar-2022

SHOWA DENKO MATERIALS CO., LTD. 1500 OGAWA, CHIKUSEI-SHI IBARAKI, 308-8521, JAPAN

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

No.: ETR22304212

Sample Submitted By : SHOWA DENKO MATERIALS CO., LTD.

Sample Name : GLASS EPOXY PREPREG / COPPER CLAD LAMINATES WITHOUT COPPER

(PLASTIC PART OF MCL)

Style/Item No. : GEA-705G / MCL-E-705G PLASTIC PART / GEA-705G(L) /

MCL-E-705G(L) PLASTIC PART / MCL-E-705G(LH) PLASTIC PART / MCL-E-705G(X) PLASTIC PART / MCL-E-705G(W) PLASTIC PART /

MCL-E-705G(WH) PLASTIC PART

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Sample Receiving Date : 17-Mar-2022

Testing Period : 17-Mar-2022 to 24-Mar-2022

Test Requested : As specified by client, with reference to RoHS 2011/65/EU Annex II and

amending Directive (EU) 2015/863 to determine DBP, BBP, DEHP, DIBP

contents in the submitted sample(s).

**Test Results**: Please refer to following pages.

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



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PIN CODE: FR2F1R

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**Test Part Description** 

No.1 : YELLOW SHEET

#### Test Result(s)

Test Item(s)	Method	Unit	MDL	Result
				No.1
Butyl benzyl phthalate (BBP) (CAS No.:	With reference to IEC 62321-8: 2017,	mg/kg	50	n.d.
85-68-7)	analysis was performed by GC/MS.			
Dibutyl phthalate (DBP) (CAS No.: 84-	With reference to IEC 62321-8: 2017,	mg/kg	50	n.d.
74-2)	analysis was performed by GC/MS.			
Di-(2-ethylhexyl) phthalate (DEHP)	With reference to IEC 62321-8: 2017,	mg/kg	50	n.d.
(CAS No.: 117-81-7)	analysis was performed by GC/MS.			
Diisobutyl phthalate (DIBP) (CAS No.:	With reference to IEC 62321-8: 2017,	mg/kg	50	n.d.
84-69-5)	analysis was performed by GC/MS.			

#### 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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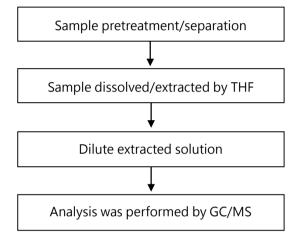


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Analytical flow chart - Phthalate

【Test method: IEC 62321-8】



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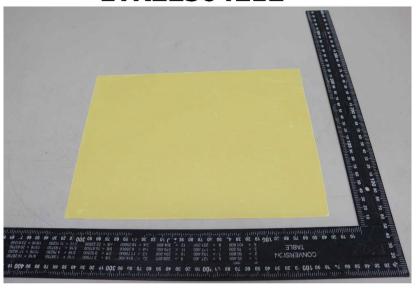


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\* The tested sample / part is marked by an arrow if it's shown on the photo. \*

#### ETR22304212



\*\* End of Report \*\*

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