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# Technical Report No. 61.406.23.0006.01 Dated 2023-02-08

ApplyLabWork Inc. Applicant:

Address:

Attn.:

MD-R001CR General Ink Sample Description:

Model No.: 1 model Sample Receive Date: 2023-02-01

Test Period: From 2023-02-02 to 2023-02-07

Test Requested:

Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU and amending Directive

Test Location: 18/F, Yuen Long Trading Centre, 33 Wang Yip Street West, Yuen Long, Hong Kong

(TR\_61.406.23.0006.01)

Test Result(s): Refer to following page(s)

Remarks:

1. Samples are tested as received.

- 2. The test results in this report relate only to the samples tested.
- 3. The General Terms & Conditions and the Testing & Certification Regulations of TÜV SÜD apply as agreed by the client upon order.
- 4. Including a statement specifying that the report shall not be reproduced except in full without approval of the laboratory can provide assurance that parts of a report are not taken out

TÜV SÜD Asia Ltd. Taiwan Branch TÜV SÜD Group

Project Handler



Robert Dai Project Reviewer

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SUMMARY OF TEST RESULTS

No.	Test Requseted	Conclusion	Remark
1.	Heavy Metals (Lead, Cadmium, Mercury and Hexavalent Chromium) Content Test	PASS	
2.	Brominated Flame Retardants (PBBs & PBDEs) Content Test	PASS	
3.	Phthalates (DEHP, BBP, DBP and DIBP) Content Test	PASS	



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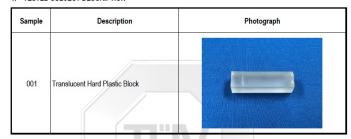
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# 1. TESTED SUBJECT DESCRIPTION





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# 2. TEST RESULT

# 2.1. Heavy Metals (Lead, Cadmium, Mercury and Hexavalent Chromium) Content Test

- a. With reference to IEC 62321-4:2014/A1:2017, Determination of Mercury by ICP-OES
- b. With reference to IEC 62321-5:2014, Determination of Cadmium and Lead by ICP-OES
- c. With reference to IEC 62321-7-1:2015 and IEC 62321-7-2:2017, Determination of Hexavalent Chromium (Cr(VI)) by UV-Vis

Element	Cadmium [mg/kg]	Lead [mg/kg]	Mercury [mg/kg]	Hexavalent Chromium [mg/kg]
MDL.	10.0	10.0	10.0	2.0
RoHS Limit	100	1000	1000	1000
Sample 001	<10.0	<10.0	<10.0	*Negative

- All concentrations express in "mg/kg" (milligram per kilogram), mg/kg~ppm
- "MDL." denotes Method Detection Limit
- "-" denotes passed after carried out X-ray testing
- "<" denotes less than
- The heavy metal content test of the sample in TR\_61.406.23.0006.01 was tested in TUV SUD Hong Kong Ltd.

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# 2.2. Brominated Flame Retardants (PBBs & PBDEs) Content Test

With reference to IEC 62321-6:2015, qualitatively and quantitatively analysed by GC-MSD

[Reporting Limit: 5.0 mg/kg]

	Test Item	Result [mg/kg]	RoHS Limit [mg/kg]	
	TOOL ILOIN	Sample 001	Korio Elilik [ilig/kg]	
	Monobromobiphenyl	N.D.		
	Dibromobiphenyl	N.D.	]	
	Tribromobiphenyl	N.D.		
	Tetrabromobiphenyl	N.D.		
	Pentabromobiphenyl	N.D.		
PBBs	Hexabromobiphenyl	N.D.	Sum of PBBs < 1000	
10 70 176 17	Heptabromobiphenyl	N.D.	-	
	Octabromobiphenyl	N.D.		
	Nonabromobiphenyl	N.D.		
	Decabromobiphenyl	N.D.		
	Sum of PBBs	N.D.		
	Monobromodiphenyl ether	N.D.		
	Dibromodiphenyl ether	N.D.	1	
	Tribromodiphenyl ether	N.D.		
	Tetrabromodiphenyl ether	N.D.		
	Pentabromodiphenyl ether	N.D.		
PBDEs	Hexabromodiphenyl ether	N.D.	Sum of PBDEs < 1000	
	Heptabromodiphenyl ether	N.D.		
	Octabromodiphenyl ether	N.D.		
	Nonabromodiphenyl ether	N.D.		
	Decabromodiphenyl ether	N.D.		
	Sum of PBDEs	N.D.		

- All concentrations express in "mg/kg" (milligram per kilogram), mg/kg~ppm
- "N.D." denotes Not Detected
- The PBBs&PBDEs content test of the sample in TR\_61.406.23.0006.01 was tested in TUV SUD Hong Kong Ltd.

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# 2.3. Phthalates (DEHP, BBP, DBP and DIBP) Content Test

With reference to IEC 62321-8:2017, solvent extraction with organic solvent and GC-MS analysis [Reporting Limit: 50.0 mg/kg]

	Result [mg/kg]	RoHS Require-
Parameter	Sample 001	ment [mg/kg]
2	001	[mg/kg]
Di-(2-ethylhexyl) phthalate (DEHP) CAS No. 117-81-7	N.D.	<1000
Benzyl butyl phthalate (BBP) CAS No. 85-68-7	N.D.	<1000
Dibutyl phthalate (DBP) CAS No. 84-74-2	N.D.	<1000
Diisobutyl phthalate (DIBP) CAS No. 84-69-5	N.D.	<1000

- All concentrations express in "mg/kg" (milligram per kilogram), mg/kg~ppm "N.D." denotes Not Detected.
- The phthalates content test of the sample in TR\_61.406.23.0006.01 was tested in TUV SUD Hong Kong Ltd.

-END OF THE TEST REPORT-

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