

# Test Report

Report No.: NB2023010049

Date: January 6, 2023

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Applicant: RELIANCE TECHNOLOGY DEVELOPMENT LTD.

Address: TANG BU VILLAGE, DAYA BAY WEST DISTRICT, HUI ZHOU, CHINA

The following merchandise were submitted and identified by the clients as:

Sample Name: PCB  
Model No.: 20221220  
Color: Green

The following information were confirmed by the laboratory:

Testing Period: From January 3, 2023 to January 6, 2023  
Test Results: Please refer to next page(s)

## Summary of test results

Test Requested	Conclusion
1 Heavy Metals, Flame Retardants and Phthalates Content - European Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with its Amendments Commission Delegated Directive (EU) 2015/863	PASS

Signed for and on behalf of Guangdong NewBest Testing Service Co., Ltd.

Approved by:

  
Manager



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**Test results:**

Tested part(s) description:

Test Item(s)	Description	Location
I001	Green PCB	--

**1. Heavy Metals , Flame Retardants and Phthalates Content - European Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with its Amendments Commission Delegated Directive (EU) 2015/863**

Test Method: Reference to IEC 62321-4 : 2013 + A1 : 2017,IEC62321-5 : 2013,IEC 62321-6: 2015, IEC 62321-7-2:2017,IEC 62321-8:2017, analyzed by ICP-OES,UV-vis and GC-MS.

Test Item(s)	Requirement	Unit	MDL	Result (s)
				I001
Lead (Pb)	1000	mg/kg	10	N.D.
Mercury (Hg)	1000	mg/kg	10	N.D.
Cadmium(Cd)	100	mg/kg	10	N.D.
Hexavalent Chromium (CrVI)	1000	mg/kg	10	N.D.
Monobromobiphenyl	---	mg/kg	50	N.D.
Dibromobiphenyl	---	mg/kg	50	N.D.
Tribromobiphenyl	---	mg/kg	50	N.D.
Tetrabromobiphenyl	---	mg/kg	50	N.D.
Pentabromobiphenyl	---	mg/kg	50	N.D.
Hexabromobiphenyl	---	mg/kg	50	N.D.
Heptabromobiphenyl	---	mg/kg	50	N.D.
Octabromobiphenyl	---	mg/kg	50	N.D.
Nonabromobiphenyl	---	mg/kg	50	N.D.
Decabromobiphenyl	---	mg/kg	50	N.D.
Sum of PBBs	1000	mg/kg	50	N.D.
Monobromodiphenyl ether	---	mg/kg	50	N.D.
Dibromodiphenyl ether	---	mg/kg	50	N.D.
Tribromodiphenyl ether	---	mg/kg	50	N.D.
Tetrabromodiphenyl ether	---	mg/kg	50	N.D.
Pentabromodiphenyl ether	---	mg/kg	50	N.D.
Hexabromodiphenyl ether	---	mg/kg	50	N.D.
Heptabromodiphenyl ether	---	mg/kg	50	N.D.
Octabromodiphenyl ether	---	mg/kg	50	N.D.
Nonabromodiphenyl ether	---	mg/kg	50	N.D.
Decabromodiphenyl ether	---	mg/kg	50	N.D.
Sum of PBDEs	1000	mg/kg	50	N.D.

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Test Item(s)	Requirement	Unit	MDL	Result (s)
				I001
Dibutyl phthalate (DBP)	1000	mg/kg	50	N.D.
Di-(2-ethyl hexyl) phthalate (DEHP)	1000	mg/kg	50	N.D.
Benzyl butyl phthalate (BBP)	1000	mg/kg	50	N.D.
Di-(iso-butyl) phthalate (DIBP)	1000	mg/kg	50	N.D.
<b>Conclusion</b>				PASS

Note: N.D. = Not detected(<MDL)

MDL= Detection Limit

N.A. = Not applicable

mg/kg = milligram per kilogram = ppm = part per million

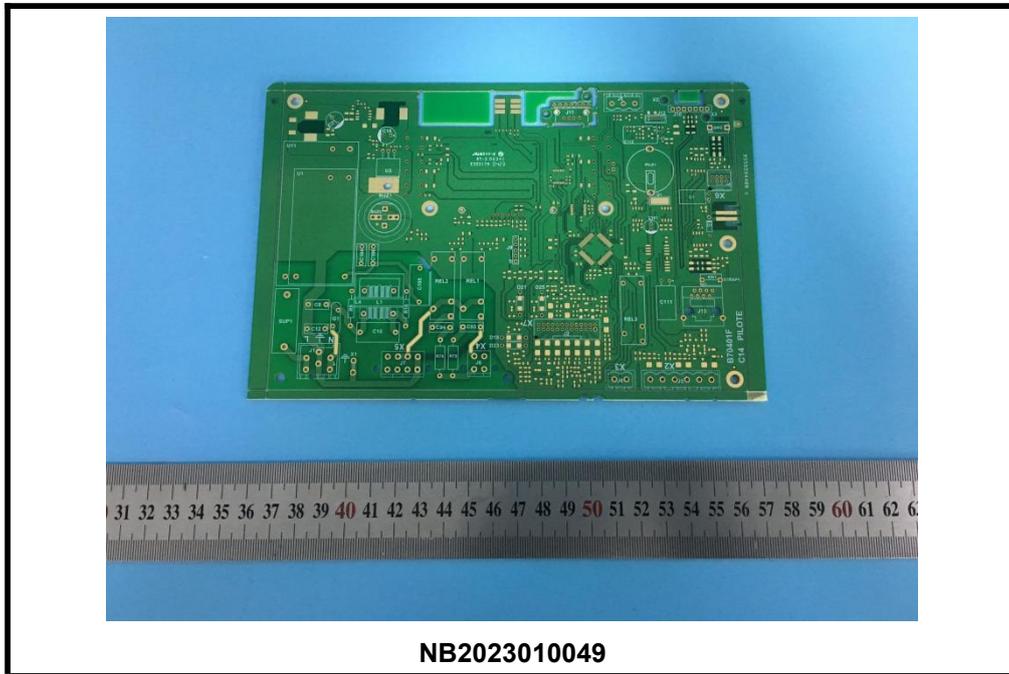
10 000 mg/kg = 1 %

Disclaimer Measurement Uncertainty:

Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as PASS nor as FAIL.

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Samples photograph



NBTS authenticate the photograph on original report only

\*\*\* End of Report \*\*\*

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