



TEST REPORT

Report No. YRT201906263R

Date: Jul. 03, 2019

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Applicant: JACKERRY TECHNOLOGY INC

Address: 2307 22ND AVE S, SEATTLE, WA, 98144

The following merchandise was(were) submitted and identified by Applicant as:

Sample Name: CBD E-Liquid

Sample Model No.: CBD E-Liquid 500mg, 10 ml

Sample Received Date: Jun. 27, 2019

Completed Date: Jul. 03, 2019

Test Requested and Conclusion(s):

Test Sample	Standard and Requirement	Conclusion(s)
Tested materials of submitted samples	RoHS Directive 2011/65/EU and its subsequent amendments 2015/863/EU	PASS

Signed for and on Behalf of YRT


Tony Lee/Technical Manager

SHENZHEN YARUI TESTING CO., LTD.

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Test Result(s):

RoHS - Lead (Pb)/Cadmium(Cd)/Mercury(Hg)/Hexavalent Chromium(Cr₆₊)/PBBs/PBDEs

Method:

With reference to IEC 62321-3-1:2013, screening by EDXRF Spectroscopy.

Lead (Pb)/Cadmium(Cd) - With reference to IEC 62321-5: 2013, analyzed by AAS & ICP-OES.

Mercury(Hg) - With reference to IEC 62321-4: 2013/AMD1: 2017, analyzed by AAS & ICP-OES.

Hexavalent Chromium(Cr₆₊) – Polymers: With reference to IEC 62321-7-2: 2017, analyzed by UV-Vis.

Hexavalent Chromium(Cr₆₊) – Colourless and coloured corrosion-protected coatings on metals

With reference to IEC 62321-7-1:2015

PBBs/PBDEs - With reference to IEC 62321-6: 2015, analyzed by GC-MS.

Material No.	Substances	EDXRF Result *	Chemical Result#(mg/kg)	Conclusion
1	Pb	BL	--	PASS
	Cd	BL	--	PASS
	Hg	BL	--	PASS
	Cr ₆₊	BL	--	PASS
	PBBs	BL	--	PASS
	PBDEs	BL	--	PASS

Note:

1. mg/kg = milligram per kilogram (ppm).
2. N.D. = Not Detected (<RL).
3. RL(Reporting Limit): 2 mg/kg for Pb/ Cd/ Hg/ Cr₆₊(Nonmetal material); 5 mg/kg for PBBs & PBDEs.
4. (Negative) = Absence of Cr₆₊. the detected concentration in boiling-water-extraction solution is less than 0.10 ug/cm² with 50 cm² sample surface area.
5. (Positive) = Presence of Cr₆₊: the detected concentration in boiling-water-extraction solution is greater than 0.13 ug/cm² with 50 cm² sample surface area.
6. "*" = It is the result on total Cr and Br while test substances are Cr₆₊ and PBBs & PBDEs.
7. "#" = Result are obtained by EDXRF for primary screening, if the result exceeds the below limit (BL), and further chemical testing.

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Screening limits in mg/kg for regulated elements in various matrices

Elements	Polymer	Metal	Composite Materials
Pb	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Cd	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$LOD < X < (150+3\sigma) \leq OL$
Hg	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Cr	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$
Br	$BL \leq (300-3\sigma) < X$	--	$BL \leq (250-3\sigma) < X$

BL = Below Limit, OL = Over Limit, IN = Inconclusive, LOD = Limit of Detection

Test Result(s):

Phthalates

Method: With reference to IEC 62321-8:2017, analyzed by Gas Chromatograph-Mass Spectrometry (GC-MS).

Substances	DBP	BBP	DEHP	DIBP	Conclusion
CAS No.	84-74-2	85-68-7	117-81-7	84-69-5	
Limit (mg/kg)	1000	1000	1000	1000	
RL (mg/kg)	50	50	50	50	
Material No.	Result (mg/kg)				
1	N.D.	N.D.	N.D.	N.D.	PASS

Note:

1. mg/kg = milligram per kilogram (ppm).
2. N.D. = Not Detected (< RL).
3. RL = Reporting Limit.

Test Material List

The following materials apply only to the samples submitted for chemical testing

Material No.	Description	Location
1	CBD E-Liquid	body

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photo of Sample :



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