



# TEST REPORT

Report No.: 2401V86990E

Date: August 02, 2024

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**Therabody , Inc.  
1640 S. Sepulveda Blvd Suite 300 Los Angeles , CA 90025, USA**

Report on the submitted samples said to be:

Sample Name: SmartGoggles  
Tested Style/Item No.: SmartGoggles  
Additional Style/ Item No.: SmartGoggles 2.0

Remark: As claimed by the material declaration submitted by the client, the material of Additional Style/ Item No. are the same as the tested Style/ Item No. . But the results only for the tested sample. And the applicant will undertake all differences and risk.

Sample Receiving Date: July 22,2024  
Testing Period: July 22,2024 - August 01,2024  
Result: **Please refer to next page(s).**

Signed for and on behalf of

BACL

Checked by: \_\_\_\_\_  
Queenie Lee

Approved by: \_\_\_\_\_  
Len Xie



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Summary of Test Result:

**TEST REQUEST**

**CONCLUSION**

A RoHS Directive 2011/65/EU and amendment directives (EU) 2015/863 on Lead,Cadmium, Mercury, Hexavalent Chromium, PBBs & PBDEs, Phthalates(DBP, BBP,DEHP, DIBP) content in the components of submitted sample as the requirement of client

A.1 XRF screening test

Pass

A.2 Phthalates(DBP, BBP, DEHP, DIBP)content

Pass

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**A RoHS Directive 2011/65/EU and amendment directives (EU) 2015/863 on Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs & PBDEs, Phthalates (DBP, BBP, DEHP, DIBP) content in the components of submitted sample as the requirement of client**

**A.1 XRF screening test**

Test method: IEC 62321-3-1:2013

Seq No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
(1)	Deep grey/black fabric(shell, smartgoggles)	BL	BL	BL	BL	BL
(2)	Black fabric(belt, smartgoggles)	BL	BL	BL	BL	BL
(3)	Black fabric(elastic band, smartgoggles)	BL	BL	BL	BL	BL
(4)	Black soft plastic(elastic band, smartgoggles)	BL	BL	BL	BL	BL
(5)	Translucent plastic(power button, smartgoggles)	BL	BL	BL	BL	BL
(6)	Translucent plastic(indicator light, smartgoggles)	BL	BL	BL	BL	BL
(7)	Black plastic(adjusting button, smartgoggles)	BL	BL	BL	BL	BL
(8)	Black plastic(frame, smartgoggles)	BL	BL	BL	BL	BL
(9)	Blue plastic(connector, frame, smartgoggles)	BL	BL	BL	BL	BL
(10)	Clear soft plastic(non-slip stripe, elastic band, smartgoggles)	BL	BL	BL	BL	BL
(11)	Black PU(shell, smartgoggles)	BL	BL	BL	BL	BL
(12)	Clear plastic(sensor cover, smartgoggles)	BL	BL	BL	BL	BL
(13)	Black plated silvery metal(adjustable buckle, elastic band, smartgoggles)	BL	BL	BL	BL	---
(14)	Black plated silvery metal(rectangular buckle, elastic band, smartgoggles)	BL	BL	BL	BL	---

Note:

--- = Not Applicable.

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Remark:

i Result were obtained by XRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBBs, PBDEs) are recommended to be performed, if the concentration exceeds the below warning value according to IEC62321-3-1:2013.

Element	Unit	Polymers	Metal	Composite Material
Cd	mg/kg	$BL \leq 70 - 3\sigma < X < 130 + 3\sigma \leq OL$	$BL \leq 70 - 3\sigma < X < 130 + 3\sigma \leq OL$	$BL \leq 50 - 3\sigma < X < 150 + 3\sigma \leq OL$
Pb	mg/kg	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 500 - 3\sigma < X < 1500 + 3\sigma \leq OL$
Hg	mg/kg	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 500 - 3\sigma < X < 1500 + 3\sigma \leq OL$
Cr	mg/kg	$BL \leq 700 - 3\sigma < X$	$BL \leq 700 - 3\sigma < X$	$BL \leq 500 - 3\sigma < X$
Br	mg/kg	$BL \leq 300 - 3\sigma < X$	--	$BL \leq 250 - 3\sigma < X$

Note:

BL = Below Limit

OL = Over Limit

IN/X = Inconclusive (questionable, need further chemical analysis)

ii The XRF screening test for RoHS elements – The reading may be different to the actual content in the sample be of non-uniformity composition.

iii The maximum permissible limit is quoted from the RoHS directive 2011/65/EU:

RoHS Restricted Substances	Maximum Concentration Value (mg/kg) (by weight in homogenous materials)
Cadmium (Cd)	100
Lead (Pb)	1000
Mercury (Hg)	1000
Hexavalent Chromium (Cr(VI))	1000
Polybrominated biphenyls (PBBs)	1000
Polybrominated diphenylethers (PBDEs)	1000

Disclaimers:

This XRF Screening report is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF screening report is sufficient for its/his/her purposes.

The result shown in this XRF screening report will differ based on various factors, including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. plastic, rubber, metal, glass, ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis are required to obtain quantitative data.

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**A.2 Phthalates(DBP, BBP, DEHP, DIBP)content**

Test method: IEC 62321-8:2017

Item	Unit	MDL	Result					Limit
			(4)+(10)	(5)+(6)+(7)	(8)+(9)	(11)	(12)	
Dibutyl Phthalate(DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Benzyl Butyl Phthalate(BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Diisobutyl phthalate(DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	1000
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Note:

- N.D.= Not Detected or less than MDL
- MDL = Method Detection Limit
- " + " = Composite testing.

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Photograph of Sample



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BACL authenticate the photo on original report only

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Statement:

- 1.This report cannot be reproduced except in full, without prior written approval of the Company.
- 2.Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
- 3.This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.
- 4.Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
- 5.The information which provided by the applicant, such as sample description, sample name, material component, style/item No. , P.O. No. , manufacturer, age phase, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report.
- 6.The test samples were in good condition before testing.

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