



TEST REPORT

Report No.: CCI230300102EN

Report Date: Mar. 07, 2023

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Applicant : Zhong Shan Supersense Tech.Ltd
Address : Room 1217, 12th floor, Beiji building, No. 6, Xiangxing Road, Torch Development Zone,
Zhongshan City, Guangdong Province

(The following sample(s) was (were) submitted and identified by client as)

Sample Name : Smart underpants
Model/Item No. : SuperSense N1
Series Model No. : SuperSense N2, N3...
Manufacturer : Zhong Shan Supersense Tech.Ltd
Test Period : From Mar. 01, 2023 to Mar. 06, 2023
Tests Conducted : As requested by the applicant, for details refer to next page(s).

Executive Summary:

No.	TESTED SAMPLE	STANDARD	CONCLUSION
1	Tested material(s) of submitted sample(s)	Pb, Cd, Hg, CrVI, PBBs and PBDEs - Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 and its subsequent amendments	PASS
2	Tested material(s) of submitted sample(s)	Phthalates - Commission Delegated Directive (EU) 2015/863 of 31 March 2015	PASS

Signed for and on behalf of
Compliance Control Institute (Guangzhou) Co., Ltd.

Approved by: _____

Pascal SHI/Technical Director

Compliance Control Institute (Guangzhou) Co., Ltd.

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1.1. Lead (Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI))

Test Method: With reference to IEC62321-4:2013+A1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, was analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) and Ultraviolet-visible Spectrophotometer (UV-Vis).

Test Items	Unit	RL	Limit	Test Result
				1
Lead(Pb)	mg/kg	2	1000	N.D.
Cadmium(Cd)	mg/kg	2	100	N.D.
Mercury(Hg)	mg/kg	2	1000	N.D.
Hexavalent Chromium (Cr(VI))	mg/kg	2	1000	N.D.
Conclusion				PASS

1.2. Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs)

Test Method: With reference to IEC 62321-6:2015, was analyzed by Gas Chromatography-Mass Spectrometry (GC-MS).

Test Items	Unit	RL	Limit	Test Result
				1
Mono-bromobiphenyl	mg/kg	5	/	N.D.
Di-bromobiphenyl	mg/kg	5	/	N.D.
Tri-bromobiphenyl	mg/kg	5	/	N.D.
Tetra-bromobiphenyl	mg/kg	5	/	N.D.
Penta-bromobiphenyl	mg/kg	5	/	N.D.
Hexa-bromobiphenyl	mg/kg	5	/	N.D.
Hepta-bromobiphenyl	mg/kg	5	/	N.D.
Octa-bromobiphenyl	mg/kg	5	/	N.D.
Nona-bromobiphenyl	mg/kg	5	/	N.D.
Deca-bromobiphenyl	mg/kg	5	/	N.D.
Polybrominated Biphenyls (PBBs)	mg/kg	/	1000	N.D.
Mono-bromodiphenyl ether	mg/kg	5	/	N.D.
Di-bromodiphenyl ether	mg/kg	5	/	N.D.
Tri-bromodiphenyl ether	mg/kg	5	/	N.D.
Tetra-bromodiphenyl ether	mg/kg	5	/	N.D.
Penta-bromodiphenyl ether	mg/kg	5	/	N.D.
Hexa-bromodiphenyl ether	mg/kg	5	/	N.D.
Hepta-bromodiphenyl ether	mg/kg	5	/	N.D.



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Test Items	Unit	RL	Limit	Test Result
				1
Octa-bromodiphenyl ether	mg/kg	5	/	N.D.
Nona-bromodiphenyl ether	mg/kg	5	/	N.D.
Deca-bromodiphenyl ether	mg/kg	5	/	N.D.
Polybrominated DiphenylEthers (PBDEs)	mg/kg	/	1000	N.D.
Conclusion				PASS

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

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

Test Substances	CAS No.	Unit	RL	Limit	Test Result
					1
Dibutyl phthalate (DBP)	84-74-2	mg/kg	20	1000	N.D.
Butyl benzyl phthalate (BBP)	85-68-7	mg/kg	20	1000	N.D.
Di(2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	20	1000	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	20	1000	N.D.
Conclusion					PASS

Note:

1. mg/kg = milligram per kilogram (ppm).
2. "/" = not specified.
3. RL = reporting limit.
4. N.D. = not detected (less than RL).

Test Material(s) List

Material No.	Description	Location
1	Grey fabric	Smart underpants



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Photo Appendix



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