Determination of alkylphenols (AP) of Textile Products EN ISO 21084:2019 Proven that Alkylphenols (AP) is not detected from OOH SHIELD technology Detection and Determination of Alkylphenol Ethoxylates (APEO) of Textile Products EN ISO 18254:2016 Proven that Alkylphenol Ethoxylates (APEO) is not detected from OOH SHIELD technology



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TEST RESULT

Alkylphenols (AP) Content Test

Test Method I	:	For Textile & Leather: EN ISO 21084
Test Method II	:	For Polymers and other materials: Organic solvent extraction, analysis with reference to EN ISO 21084.
Tested Item(s)	:	I001 White fabric with transparent adhesive

Maximum Limit: 100 mg/kg (sum)

 Tested Item(s)
 Test Method
 Result
 Conclusion

 1001
 I
 ND
 ND
 mg/kg
 PASS

Note:

ND = Not detected">" = More thanConc. = Concentrationppm = part(s) per million = mg/kgmg/kg = milligram(s) per kilogramConc. = ConcentrationReporting Limit (mg/kg) : Sum (OP & NP) : 10NPNP

Remark:

- The list of alkylphenols is summarized in table of Appendix.

Alkylphenol Ethoxylates (APEO) Content Test

Test Method I	:	For Textile and Other materials: With reference to EN ISO 18254-1, analysis by Liquid Chromatograph Mass Spectrometer (LC-MS)
Test Method II	:	For Leather: With reference to EN ISO 18218-1 and EN ISO 18254-1

Tested Item(s) : I001 White fabric with transparent adhesive

Maximum Li	mit:	Others: 100 mg/kg (Sum) Recycled materials: 1000 mg/kg (Sum)			
Tartal Itary(a)	Test	Result	Conclusion		
Tested Item(s)	Method	Detected Analyte(s)	Conc.	Unit	Conclusion
I001	Ι	ND	ND	mg/kg	PASS

Note:

ND = Not detected">" = More thanConc. = Concentrationppm = part(s) per million = mg/kgmg/kg = milligram(s) per kilogramConc. = ConcentrationReporting Limit (mg/kg) : Sum (OPEOs & NPEOs) : 2020

Remark:

- The list of alkylphenol ethoxylates is summarized in table of Appendix.

Determination of Formaldehyde - Free and Hydrolysed Formaldehyde of Textile Products EN ISO 14184:2011 / JIS L 1041

Proven that Formaldehyde is not detected from OOH SHIELD technology, and it reach safety level for Type 1 – Baby < 36 Months



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TEST RESULT

Formaldehyde Content Test

Test Method I	:	Textiles & Other Materials: EN ISO 14184-1
Test Method II	:	Leather: ISO 17226:2 and/or ISO 17226-1
Test Method III	:	Glue & 0-3 years old products: JIS L 1041: 2011 Method A
Test Method IV	:	Carpets and mats: GB 18587 Grade B.

Tested Item(s) : I001 White fabric with transparent adhesive

	Туре І	For baby < 36	For baby < 36 months: 16 mg/kg							
Maximum Limit:	Туре П	Others: 75 mg/	Others: 75 mg/kg							
	Type III	Carpets and mats : < 0.050 mg/m ² /h								
Tested Item(s)	Туре	Test Method Result Unit Conclusion								
I001	Ι	III	ND	mg/kg	PASS					

Note:

ND = Not detected">" = More thanppm = part(s) per million = mg/kgmg/kg = milligram(s) per kilogramReporting Limit : 16 mg/kg (Method I, II, III), 0.050 mg/m²/h (Method IV)

Determination of Tetrachlorophenol-, Trichlorophenol-, Dichlorophenol-, Monochlorophenol-Isomers and Pentachlorophenol Content of Textile Products DIN EN ISO 17070:2015 / 64 LFBG B 82.02-08 (Modified)

Proven that Chlorophenols Content and Ortho-Phenylphenol (OPP) are not detected from OOH SHIELD technology



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TEST RESULT

Chlorophenols Content Test

Test Method : With reference to ISO 17070:2015 or 64 LFBG B 82.02-08 (Modified). Potassium hydroxide extraction, derivatisation and analysis by Gas Chromatograph Mass Spectrometer (GC-MS).

Tested Item(s) : I001 White fabric with transparent adhesive

Maximum Limit: 0.5 mg/kg (Each)					
Tested Item(s)	Result	Conclusion			
Tested Item(s)	Detected Analyte(s)	Conc.	Unit	Conclusion	
I001	ND	ND	mg/kg	PASS	

Note:

```
ND = Not detected ">" = More than
ppm = part(s) per million = mg/kg
Reporting Limit (mg/kg) : Each : 0.5
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Remark:

The list of chlorophenols is summarized in table of Appendix.

Ortho-phenylphenol (OPP) Test

Test Method : 1 M KOH extraction, 16 hours at 90 degrees C, derivatization and analysis § 64 LFGB B 82.02-08 or DIN EN ISO 17070:2015.

Tested Item(s) : I001 White fabric with transparent adhesive

Maximum Limit:	1000 mg/kg		
Tested Item(s)	Result	Unit	Conclusion
I001	ND	mg/kg	PASS

Note:

ND = Not detected ppm = part(s) per million = mg/kg Reporting Limit (mg/kg) : 100 ">" = More than

mg/kg = milligram(s) per kilogram

Determination of the Phthalate Content of Textile Products EN ISO 14389: 2014 / US CPSC-CH-C1001-09.4 Proven that Phthalate Content are not detected from OOH SHIELD technology

Phthalates Content Test

Tested Item(s) :	1001 White fabric with transparent adhesive
Test Method II :	: Others: CPSC-CH-C1001-09.4, analysis by Gas Chromatograph Mass Spectrometer (GC-MS).
Test Method I :	: Textile: CPSC-CH-C1001-09.4 and EN ISO 14389: 2014.

Maximum Limit: | 500 mg/kg (Each) 1000 mg/kg (Sum)

Tested Item(s)	Test	Resi	Conclusion		
	method	Detected Analyte(s)	Conc.	Unit	Conclusion
1001	Ι	ND	ND	mg/kg	PASS

Note:

ND = Not detected">" = More thanConc. = Concentrationppm = part(s) per million = mg/kgmg/kg = milligram(s) per kilogramConc. = ConcentrationReporting Limit (mg/kg) : Each : 5050Conc. = Concentration

Remark:

- The list of phthalates is summarized in table of Appendix.