

INKCUPS CORPORATION
 310 ANDOVER ST, Danvers, MA 01923, United States

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

Report on the submitted sample said to be:

Sample Description : Three samples of SAPPHIRE SB ECO SERIES in (A) black 165 (B) light onix 150A (C) dark onix A79H.

Amount Of Sample : ---

Division : ---

Buyer's Name : Adidas

Summary Of Test Result : **See Result**

Failure test items : ---

Age Group : Infants

Material Name/Code : SAPPHIRE SB ECO SERISE

Color Name/ Code : BLACK / LIGHT ONIX / DARK ONIX / 165 / 150A / A79H

Supplier Name : ---

Finished Product Factory : ---

Lot No./Purchase Order No. : ---

Model Name : ---

Client Reference Number : ---

PLM Number : ---

Construction : ---

Gauge (Knit only) : ---

Fabric weight : ---

Article style Number received : ---

Season : ---

End product : ---

Finish : ---

Supplier Contact Person : ---

Country Of Supplier : Italy

Country Of Destination : ---

Material Component : ---

Sample Classification : Ink, prints, repair colours (509)

Test Required Key code No. : Key code - 509 under Adidas A-01 Test Standard 2020

Report Type : Full Test (FT)

Full test report No. : ---

Additional Information: : ---

Sample Received Date : Feb 04, 2021

Sample Tested Date : Feb 04, 2021 - Feb 18, 2021

SGS Job No. : SL12100230950201TX

Previous Report No. : ---

Care Instructions: : ---

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Summary of Test Result: (Detail test results on next page)

Test Parameter	Test Method	Conclusion (Pass/Fail)
Extractable Heavy Metals	Others: With reference to DIN EN 16711-2:2016. Analysis was performed by ICP-OES / ICP-MS	Pass
Total Cadmium	Others: With reference to DIN EN 16711-1:2016. Analysis was performed by ICP-OES or AAS	Pass
Total Lead	Others: With reference to DIN EN 16711-1:2016. Analysis was performed by ICP / AAS	Pass
<ul style="list-style-type: none"> ▪ Σ PCP, TeCP and TriCP ▪ o-Phenylphenol, OPP 	Textile: Extraction with KOH. Analysis by GC-ECD / GC-MS	Pass
Azo-amines	Textile: DIN EN ISO 14362-1:2017 / DN EN ISO 14362-3:2017	Pass
Formaldehyde	With reference to ISO 27587:2009. Analysis was performed by HPLC-DAD.	See Result
Disperse Dyes and dyestuffs (Table A)	DIN 54231:2005	Pass
Organotin Compounds	ISO/TS 16179:2012	Pass
Σ Phthalates	DIN EN ISO 14389:2014. Analysis was performed by GC-MS	Pass
Σ Short Chained Chloroparaffins (C10-C13)	Leather: DIN EN ISO 18219:2016. Analysis by GC-NCI-MS / GC-ECD Polymer: extraction with THF. Analysis by GC-NCI-MS / GC-ECD	Pass
Σ Nonylphenol (NP), Octylphenol (OP), Nonylphenol ethoxylates (NPEO) and Octylphenol ethoxylates (OPEO)	Extraction with THF. Analysis was performed by LC-MS.	Pass
Nonylphenol (NP)	Extraction with THF. Analysis was performed by LC-MS.	Pass
Polycyclic Aromatic Hydrocarbons (PAHs) and regulated PAHs of high concern	With reference to AfPS GS 2019:01 PAK. Analysis was performed by GC-MS.	Pass

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Sample Photo



Signed for and on behalf of
SGS (Hong Kong) Limited

Chan Kai Kong, Alfred,
Assistant Technical Manager

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COMPONENT LIST / List of Materials

Sample No.	Component No.	Description	Material	Color	Remark
A	1	ink	Ink/Paint	black	/
B	2	ink	Ink/Paint	grey	/
C	3	ink	Ink/Paint	dark grey	/

Test Result:

Extractable Heavy Metals (Mandatory) - All Key Codes except 400, 404, 501, 502, 403 with wool

Test Method : Others: With reference to EN 16711-2:2016. Analysis was performed by ICP-OES / ICP-MS

<u>Test Item(s)</u>	<u>CAS NO.</u>	1
Cadmium (Cd)	7440-43-9	ND
Chromium (Cr), Total	7440-47-3	ND
Lead (Pb)	7439-92-1	ND
Mercury (Hg)	7439-97-6	ND
Conclusion		PASS

<u>Test Item(s)</u>	<u>CAS NO.</u>	2
Cadmium (Cd)	7440-43-9	ND
Chromium (Cr), Total	7440-47-3	ND
Lead (Pb)	7439-92-1	ND
Mercury (Hg)	7439-97-6	ND
Conclusion		PASS

<u>Test Item(s)</u>	<u>CAS NO.</u>	3
Cadmium (Cd)	7440-43-9	ND
Chromium (Cr), Total	7440-47-3	ND
Lead (Pb)	7439-92-1	ND
Mercury (Hg)	7439-97-6	ND
Conclusion		PASS

Notes :

- Note: n.d. = not detected
- mg/kg = ppm
- * = Exceeds the TLV
- # = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement
- Requirement: Infants(mg/kg) Adults(mg/kg) Reporting limit(mg/kg)
- Cadmium 0.1 0.1 0.03
- Chromium 1.0 2.0 0.3
- Lead 0.2 1.0 0.06
- Mercury 0.02 0.02 0.006

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Test Method : Others: With reference to DIN EN 16711-1:2016.
Analysis was performed by ICP-OES or AAS

<u>Test Item(s)</u>	1
Cadmium (Cd)	ND
Conclusion	PASS
<u>Test Item(s)</u>	2
Cadmium (Cd)	ND
Conclusion	PASS
<u>Test Item(s)</u>	3
Cadmium (Cd)	ND
Conclusion	PASS

Notes :

- Note: n.d. = not detected
- mg/kg = ppm
- * = Exceeds the TLV
- # = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement
- Reporting limit = 5 mg/kg
- Requirement: 40 mg/kg

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Test Method : Others: With reference to DIN EN 16711-1:2016.
Analysis was performed by ICP / AAS

<u>Test Item(s)</u>	1
Lead (Pb)	ND
Conclusion	PASS
<u>Test Item(s)</u>	2
Lead (Pb)	ND
Conclusion	PASS
<u>Test Item(s)</u>	3
Lead (Pb)	ND
Conclusion	PASS

Notes :

Note: n.d. = not detected
 mg/kg = ppm
 * = Exceed the TLV
 # = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement
 Reporting limit = 5 mg/kg

 Requirement: 40 mg/kg

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Σ PCP, TeCP and TriCP (for Infants)

Test Method : Textile: Extraction with KOH. Analysis by GC-MS

<u>Test Item(s)</u>	1
Pentachlorophenol (PCP)	ND
Tetrachlorophenol (TeCP)	ND
Trichlorophenol (TriCP)	ND
Total (PCP+TeCP+TCP)	ND
Conclusion	PASS

<u>Test Item(s)</u>	2
Pentachlorophenol (PCP)	ND
Tetrachlorophenol (TeCP)	ND
Trichlorophenol (TriCP)	ND
Total (PCP+TeCP+TCP)	ND
Conclusion	PASS

<u>Test Item(s)</u>	3
Pentachlorophenol (PCP)	ND
Tetrachlorophenol (TeCP)	ND
Trichlorophenol (TriCP)	ND
Total (PCP+TeCP+TCP)	ND
Conclusion	PASS

Notes :

- Note: n.d. = not detected
- mg/kg = ppm
- * = Exceeds the TLV
- # = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement
- Reporting limit = 0.015 mg/kg (for individual compound)

- Requirement: 0.05 mg/kg (sum)

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o-Phenylphenol, OPP

Test Method : Textile: Extraction with KOH. Analysis by GC-MS

<u>Test Item(s)</u>	1
Ortho-phenylphenol (OPP)	ND
Conclusion	PASS
<u>Test Item(s)</u>	2
Ortho-phenylphenol (OPP)	ND
Conclusion	PASS
<u>Test Item(s)</u>	3
Ortho-phenylphenol (OPP)	ND
Conclusion	PASS

Notes :

Note: n.d. = not detected

mg/kg = ppm

* = Exceeds the TLV

= result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement

Reporting limit = 100 mg/kg

Requirement: 1000 mg/kg

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Azo-Amines (Direct Reduction)

Test Method : Textile: With reference to DIN EN ISO 14362-1:2017. Analysis was conducted by GC-MS/HPLC-DAD.

Determination of 4-aminoazobenzene (CAS No.:60-09-3)- With reference to DIN EN ISO 14362-3:2017; with the use of GC-MS/ HPLC-DAD.

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>1</u>
4-Aminobiphenyl	92-67-1	ND
Benzidine	92-87-5	ND
4-chloro-o-toluidine	95-69-2	ND
2-naphthylamine	91-59-8	ND
o-aminoazotoluene	97-56-3	ND
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	ND
4-chloroaniline	106-47-8	ND
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	ND
4,4'-Diaminodiphenylmethane (MDA)	101-77-9	ND
3,3'-dichlorobenzidine	91-94-1	ND
3,3'-dimethoxybenzidine	119-90-4	ND
3,3'-dimethylbenzidine	119-93-7	ND
3,3'-Dimethyl-4,4'-diaminodiphenylmethane / 4,4'-methylenedi-o-toluidine	838-88-0	ND
p-cresidine / 2-methoxy-5-methylaniline / 6-methoxy-m-toluidine	120-71-8	ND
4,4'-methylene-bis-(2-chloroaniline)	101-14-4	ND
4,4'-oxydianiline	101-80-4	ND
4,4'-thiodianiline	139-65-1	ND
o-toluidine	95-53-4	ND
4-methyl-m-phenylenediamine / 2,4-Toluylenediamine (TDA)	95-80-7	ND
2,4,5-trimethylaniline	137-17-7	ND
4-aminoazobenzene	60-09-3	ND
O-Anisidine	90-04-0	ND
2,4-Xylidine	95-68-1	ND
2,6-Xylidine	87-62-7	ND
Conclusion		PASS

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Azo-Amines (Direct Reduction)

Test Method : Textile: With reference to DIN EN ISO 14362-1:2017. Analysis was conducted by GC-MS/HPLC-DAD.

Determination of 4-aminoazobenzene (CAS No.:60-09-3)- With reference to DIN EN ISO 14362-3:2017; with the use of GC-MS/ HPLC-DAD.

<u>Test Item(s)</u>	<u>CAS NO.</u>	2
4-Aminobiphenyl	92-67-1	ND
Benzidine	92-87-5	ND
4-chloro-o-toluidine	95-69-2	ND
2-naphthylamine	91-59-8	ND
o-aminoazotoluene	97-56-3	ND
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	ND
4-chloroaniline	106-47-8	ND
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	ND
4,4'-Diaminodiphenylmethane (MDA)	101-77-9	ND
3,3'-dichlorobenzidine	91-94-1	ND
3,3'-dimethoxybenzidine	119-90-4	ND
3,3'-dimethylbenzidine	119-93-7	ND
3,3'-Dimethyl-4,4'-diaminodiphenylmethane / 4,4'-methylenedi-o-toluidine	838-88-0	ND
p-cresidine / 2-methoxy-5-methylaniline / 6-methoxy-m-toluidine	120-71-8	ND
4,4'-methylene-bis-(2-chloroaniline)	101-14-4	ND
4,4'-oxydianiline	101-80-4	ND
4,4'-thiodianiline	139-65-1	ND
o-toluidine	95-53-4	ND
4-methyl-m-phenylenediamine / 2,4-Toluylendiamine (TDA)	95-80-7	ND
2,4,5-trimethylaniline	137-17-7	ND
4-aminoazobenzene	60-09-3	ND
O-Anisidine	90-04-0	ND
2,4-Xylidine	95-68-1	ND
2,6-Xylidine	87-62-7	ND
Conclusion		PASS

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Azo-Amines (Direct Reduction)

Test Method : Textile: With reference to DIN EN ISO 14362-1:2017. Analysis was conducted by GC-MS/HPLC-DAD.

Determination of 4-aminoazobenzene (CAS No.:60-09-3)- With reference to DIN EN ISO 14362-3:2017; with the use of GC-MS/ HPLC-DAD.

<u>Test Item(s)</u>	<u>CAS NO.</u>	3
4-Aminobiphenyl	92-67-1	ND
Benzidine	92-87-5	ND
4-chloro-o-toluidine	95-69-2	ND
2-naphthylamine	91-59-8	ND
o-aminoazotoluene	97-56-3	ND
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	ND
4-chloroaniline	106-47-8	ND
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	ND
4,4'-Diaminodiphenylmethane (MDA)	101-77-9	ND
3,3'-dichlorobenzidine	91-94-1	ND
3,3'-dimethoxybenzidine	119-90-4	ND
3,3'-dimethylbenzidine	119-93-7	ND
3,3'-Dimethyl-4,4'-diaminodiphenylmethane / 4,4'-methylenedi-o-toluidine	838-88-0	ND
p-cresidine / 2-methoxy-5-methylaniline / 6-methoxy-m-toluidine	120-71-8	ND
4,4'-methylene-bis-(2-chloroaniline)	101-14-4	ND
4,4'-oxydianiline	101-80-4	ND
4,4'-thiodianiline	139-65-1	ND
o-toluidine	95-53-4	ND
4-methyl-m-phenylenediamine / 2,4-Toluylenediamine (TDA)	95-80-7	ND
2,4,5-trimethylaniline	137-17-7	ND
4-aminoazobenzene	60-09-3	ND
O-Anisidine	90-04-0	ND
2,4-Xylidine	95-68-1	ND
2,6-Xylidine	87-62-7	ND
Conclusion		PASS

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Notes :

Note: n.d. = not detectable

mg/kg = ppm

* = Exceed the limit

= result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement

@ = The amine was detected according to ISO 14362-1:2017 with the reducing agent. A similar result was obtained from the procedure carried out without the reducing agent. According to ISO 14362-1:2017 Annex C.2.1.2.2, the amine originated from a source other than azo colorants.

^ = The amine was detected according to ISO 14362-1:2017 with the reducing agent. Confirmation procedure was carried out without reducing agent, according to ISO 14362-1:2017 Annex C.2.1.2.2, the amine originated from azo colorants.

Reporting limit = 5 mg/kg (for individual compound)

Requirement: 20 mg/kg (for individual compound)

Remark: + Direct reduction refers to the extraction and reduction according to EN ISO 14362-1:2017 clause 10.2 and relevant clauses.

4-Aminodiphenyl (CAS No. 92-67-1), 2-Naphthylamine (CAS No. 91-59-8) and 2,4-Diaminoanisole (CAS No. 615-05-4) can be indirectly generated from some colorants which do not contain these amines azo bound. The use of banned azo colorants cannot be reliably ascertained without additional information.

In case PU is used, e.g. PU Foams or coatings, it cannot be ruled out that MDA (CAS No. 101-77-9) and TDA (CAS No. 95-80-7) can be released from PU material, not from banned azo colorant. Similarly, for pigment prints, MDA will be released from a chemical fixing agent.

EN ISO 14362-1:2017 will enable further cleavage of 4-AAB (CAS No. 60-09-3) to non-forbidden amines: aniline and p-phenylenediamine. If aniline and/or p-phenylenediamine is not found, 4-AAB is considered as "n.d." (i.e. <5.0 mg/kg). Otherwise, EN ISO 14362-3:2017 will be employed to verify the presence of 4-AAB.

Free Formaldehyde (Liquid)

Test Method : With reference to ISO 27587:2009. Analysis was performed by HPLC-DAD.

<u>Test Item(s)</u>	<u>CAS NO.</u>	1
Formaldehyde	50-00-0	ND
Conclusion		N.A.
<u>Test Item(s)</u>	<u>CAS NO.</u>	2
Formaldehyde	50-00-0	ND
Conclusion		N.A.
<u>Test Item(s)</u>	<u>CAS NO.</u>	3
Formaldehyde	50-00-0	ND
Conclusion		N.A.

Notes :

- Note: n.d. = Not detected
- N.A. = Not applicable
- mg/kg = ppm
- Detection limit = 20 mg/kg

Requirement: Not Applicable

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Test Method : With reference to DIN 54231:2005. Analysis was conducted with HPLC-DAD-MSD.

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>1</u>
Disperse Blue 1	2475-45-8	ND
Disperse Blue 3	2475-46-9	ND
Disperse Blue 7	3179-90-6	ND
Disperse Blue 26	3860-63-7	ND
Disperse Blue 35	56524-77-7/ 56524-76-6	ND
Disperse Blue 102	69766-79-6/12222 -97-8	ND
Disperse Blue 106	68516-81-4/12223 -01-7	ND
Disperse Blue 124	61951-51-7	ND
Disperse Brown 1	23355-64-8	ND
Disperse Orange 1	2581-69-3	ND
Disperse Orange 3	730-40-5	ND
Disperse Orange 37/59/76	n.a.	ND
Disperse Red 1	2872-52-8	ND
Disperse Red 11	2872-48-2	ND
Disperse Red 17	3179-89-3	ND
Disperse Yellow 1	119-15-3	ND
Disperse Yellow 3	2832-40-8	ND
Disperse Yellow 9	6373-73-5	ND
Disperse Yellow 39	12236-29-2	ND
Disperse Yellow 49	54824-37-2	ND
Disperse Yellow 23	6250-23-3	ND
Disperse Orange 149	85136-74-9	ND
Basic Violet 3	548-62-9	ND
Basic Blue 26 (with Michler's Ketone > 0.1%)	2580-56-5	ND
Acid Red 26	3761-53-3	ND
Basic Red 9	569-61-9	ND
Direct Black 38	1937-37-7	ND
Direct Blue 6	2602-46-2	ND
Direct Red 28	573-58-0	ND
Basic Violet 14	632-99-5	ND
Disperse Orange 11	82-28-0	ND
Conclusion		PASS

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Disperse Dyes and Dyestuffs (Table A)

Test Method : With reference to DIN 54231:2005. Analysis was conducted with HPLC-DAD-MSD.

<u>Test Item(s)</u>	<u>CAS NO.</u>	2
Disperse Blue 1	2475-45-8	ND
Disperse Blue 3	2475-46-9	ND
Disperse Blue 7	3179-90-6	ND
Disperse Blue 26	3860-63-7	ND
Disperse Blue 35	56524-77-7/ 56524-76-6	ND
Disperse Blue 102	69766-79-6/12222 -97-8	ND
Disperse Blue 106	68516-81-4/12223 -01-7	ND
Disperse Blue 124	61951-51-7	ND
Disperse Brown 1	23355-64-8	ND
Disperse Orange 1	2581-69-3	ND
Disperse Orange 3	730-40-5	ND
Disperse Orange 37/59/76	n.a.	ND
Disperse Red 1	2872-52-8	ND
Disperse Red 11	2872-48-2	ND
Disperse Red 17	3179-89-3	ND
Disperse Yellow 1	119-15-3	ND
Disperse Yellow 3	2832-40-8	ND
Disperse Yellow 9	6373-73-5	ND
Disperse Yellow 39	12236-29-2	ND
Disperse Yellow 49	54824-37-2	ND
Disperse Yellow 23	6250-23-3	ND
Disperse Orange 149	85136-74-9	ND
Basic Violet 3	548-62-9	ND
Basic Blue 26 (with Michler's Ketone > 0.1%)	2580-56-5	ND
Acid Red 26	3761-53-3	ND
Basic Red 9	569-61-9	ND
Direct Black 38	1937-37-7	ND
Direct Blue 6	2602-46-2	ND
Direct Red 28	573-58-0	ND
Basic Violet 14	632-99-5	ND
Disperse Orange 11	82-28-0	ND
Conclusion		PASS

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Test Method : With reference to DIN 54231:2005. Analysis was conducted with HPLC-DAD-MSD.

<u>Test Item(s)</u>	<u>CAS NO.</u>	3
Disperse Blue 1	2475-45-8	ND
Disperse Blue 3	2475-46-9	ND
Disperse Blue 7	3179-90-6	ND
Disperse Blue 26	3860-63-7	ND
Disperse Blue 35	56524-77-7/ 56524-76-6	ND
Disperse Blue 102	69766-79-6/12222 -97-8	ND
Disperse Blue 106	68516-81-4/12223 -01-7	ND
Disperse Blue 124	61951-51-7	ND
Disperse Brown 1	23355-64-8	ND
Disperse Orange 1	2581-69-3	ND
Disperse Orange 3	730-40-5	ND
Disperse Orange 37/59/76	n.a.	ND
Disperse Red 1	2872-52-8	ND
Disperse Red 11	2872-48-2	ND
Disperse Red 17	3179-89-3	ND
Disperse Yellow 1	119-15-3	ND
Disperse Yellow 3	2832-40-8	ND
Disperse Yellow 9	6373-73-5	ND
Disperse Yellow 39	12236-29-2	ND
Disperse Yellow 49	54824-37-2	ND
Disperse Yellow 23	6250-23-3	ND
Disperse Orange 149	85136-74-9	ND
Basic Violet 3	548-62-9	ND
Basic Blue 26 (with Michler's Ketone > 0.1%)	2580-56-5	ND
Acid Red 26	3761-53-3	ND
Basic Red 9	569-61-9	ND
Direct Black 38	1937-37-7	ND
Direct Blue 6	2602-46-2	ND
Direct Red 28	573-58-0	ND
Basic Violet 14	632-99-5	ND
Disperse Orange 11	82-28-0	ND
Conclusion		PASS

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Notes :

Note: n.d. = not detected

mg/kg = ppm

* = Exceeds the limit

= result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement

Reporting limit = 15 mg/kg (for individual compound)

Requirement: 50 mg/kg (for individual compound)

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Organotin Compounds

Test Method : With reference to ISO/TS 16179:2012. Analysis was performed by GC-MS.

<u>Test Item(s)</u>	1
Dibutyl tin (DBT)	ND
Tributyl tin (TBT)	ND
Monobutyl tin (MBT)	0.11 mg/kg
Monooctyl tin (MOT)	ND
Diocetyl tin (DOT)	ND
Triphenyl tin (TPhT)	ND
Triocetyl tin(TOT)	ND
Conclusion	PASS

<u>Test Item(s)</u>	2
Dibutyl tin (DBT)	ND
Tributyl tin (TBT)	ND
Monobutyl tin (MBT)	ND
Monooctyl tin (MOT)	ND
Diocetyl tin (DOT)	ND
Triphenyl tin (TPhT)	ND
Triocetyl tin(TOT)	ND
Conclusion	PASS

<u>Test Item(s)</u>	3
Dibutyl tin (DBT)	ND
Tributyl tin (TBT)	ND
Monobutyl tin (MBT)	ND
Monooctyl tin (MOT)	ND
Diocetyl tin (DOT)	ND
Triphenyl tin (TPhT)	ND
Triocetyl tin(TOT)	ND
Conclusion	PASS

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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.

Notes :

Note: n.d. = not detected

mg/kg = ppm

* = Exceed the TLV

= result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement

Reporting limit

TBT = 0.015 mg/kg

Others = 0.1 mg/kg (for individual compound)

Requirement:

TBT Not Detected (0.05 mg/kg)

TPhT 0.5 mg/kg

DBT 1 mg/kg

DOT 1 mg/kg

MBT 1 mg/kg

MOT 1 mg/kg

TOT 1 mg/kg

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Phthalates

Test Method : With reference to DIN EN ISO 14389:2014. Analysis was performed by GC-MS.

<u>Test Item(s)</u>	<u>CAS NO.</u>	1
Dipentyl Phthalate (DPP)	131-18-0	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	ND
Di-n-hexyl phthalate (DnHP)	84-75-3	ND
Diisopentylphthalate (DiPP)	605-50-5	ND
Diisononyl Phthalate (DINP)	28553-12-0/68515	ND
	-48-0	
Diisodecyl Phthalate (DIDP)	26761-40-0/68515	ND
	-49-1	
Diisobutyl Phthalate (DIBP)	84-69-5	ND
Di-cyclohexyl phthalate (DCHP)	84-61-7	ND
Dibutyl Phthalate (DBP)	84-74-2	ND
Bis(2-methoxyethyl) Phthalate (DMEP)	117-82-8	ND
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	ND
Benzylbutyl Phthalate (BBP)	85-68-7	ND
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	ND
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHPP)	71888-89-6	ND
Diethyl phthalate (DEP)	84-66-2	ND
Di-iso-hexylphthalate (DIHxP)	71850-09-4	ND
Total		ND
Conclusion		PASS
Ratio of the mass of plasticized materials against the treated textile product		1.0000

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Phthalates

Test Method : With reference to DIN EN ISO 14389:2014. Analysis was performed by GC-MS.

<u>Test Item(s)</u>	<u>CAS NO.</u>	2
Dipentyl Phthalate (DPP)	131-18-0	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	ND
Di-n-hexyl phthalate (DnHP)	84-75-3	ND
Diisopentylphthalate (DiPP)	605-50-5	ND
Diisononyl Phthalate (DINP)	28553-12-0/68515-48-0	ND
Diisodecyl Phthalate (DIDP)	26761-40-0/68515-49-1	ND
Diisobutyl Phthalate (DIBP)	84-69-5	ND
Di-cyclohexyl phthalate (DCHP)	84-61-7	ND
Dibutyl Phthalate (DBP)	84-74-2	ND
Bis(2-methoxyethyl) Phthalate (DMEP)	117-82-8	ND
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	ND
Benzylbutyl Phthalate (BBP)	85-68-7	ND
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	ND
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHPP)	71888-89-6	ND
Diethyl phthalate (DEP)	84-66-2	ND
Di-iso-hexylphthalate (DIHxP)	71850-09-4	ND
Total		ND
Conclusion		PASS
Ratio of the mass of plasticized materials against the treated textile product		1.0000

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Test Method : With reference to DIN EN ISO 14389:2014. Analysis was performed by GC-MS.

<u>Test Item(s)</u>	<u>CAS NO.</u>	3
Dipentyl Phthalate (DPP)	131-18-0	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	ND
Di-n-hexyl phthalate (DnHP)	84-75-3	ND
Diisopentylphthalate (DiPP)	605-50-5	ND
Diisononyl Phthalate (DINP)	28553-12-0/68515	ND
	-48-0	
Diisodecyl Phthalate (DIDP)	26761-40-0/68515	ND
	-49-1	
Diisobutyl Phthalate (DIBP)	84-69-5	ND
Di-cyclohexyl phthalate (DCHP)	84-61-7	ND
Dibutyl Phthalate (DBP)	84-74-2	ND
Bis(2-methoxyethyl) Phthalate (DMEP)	117-82-8	ND
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	ND
Benzylbutyl Phthalate (BBP)	85-68-7	ND
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	ND
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHPP)	71888-89-6	ND
Diethyl phthalate (DEP)	84-66-2	ND
Di-iso-hexylphthalate (DIHxP)	71850-09-4	ND
Total		ND
Conclusion		PASS
Ratio of the mass of plasticized materials against the treated textile product		1.0000

Notes :

Note: n.d. = not detected

mg/kg = ppm

* = Exceeds the TLV

= result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement

Reporting limit: 50 mg/kg (for individual compound)

Requirement: 500 mg/kg (Total)

Short Chain Chloroparaffins (C10-C13) (SCCPs)

Test Method : Leather: With reference to DIN EN ISO 18219:2016. Analysis was performed by GC-NCI-MS / GC-ECD.

Polymer: Extraction with THF. Analysis by GC-NCI-MS / GC-ECD

<u>Test Item(s)</u>	1
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCP)	ND
Conclusion	PASS
<u>Test Item(s)</u>	2
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCP)	ND
Conclusion	PASS
<u>Test Item(s)</u>	3
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCP)	ND
Conclusion	PASS

Notes :

Note: n.d. = not detected

mg/kg = ppm

* = Exceeds the TLV

= result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement

Reporting limit = 50 mg/kg

Requirement: 1000 mg/kg

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Σ Nonylphenol (NP), Octylphenol (OP), Nonylphenol ethoxylates (NPEO) and Octylphenol ethoxylates (OPEO) – Polymer

Test Method : Extraction with THF. Analysis was performed by LC-MS.

<u>Test Item(s)</u>	1
Nonylphenol(NP)	ND
Octylphenol(OP)	ND
Nonylphenol ethoxylates (NPEOs)	ND
Octylphenol ethoxylates (OPEOs)	ND
Sum of NP and OP and NPEO and OPEO	ND
Conclusion	PASS

<u>Test Item(s)</u>	2
Nonylphenol(NP)	ND
Octylphenol(OP)	ND
Nonylphenol ethoxylates (NPEOs)	ND
Octylphenol ethoxylates (OPEOs)	ND
Sum of NP and OP and NPEO and OPEO	ND
Conclusion	PASS

<u>Test Item(s)</u>	3
Nonylphenol(NP)	ND
Octylphenol(OP)	ND
Nonylphenol ethoxylates (NPEOs)	ND
Octylphenol ethoxylates (OPEOs)	ND
Sum of NP and OP and NPEO and OPEO	ND
Conclusion	PASS

Notes :

Note: n.d. = not detected
 mg/kg = ppm
 * = Exceeds the TLV
 # = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement
 Reporting limit = 3 mg/kg (AP); 5 mg/kg (APEO)

Requirement:
 Nonylphenol (NP) 10 mg/kg
 Octylphenol (OP) 10 mg/kg
 Sum of NP, OP, NPEO and OPEO 100 mg/kg

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Polycyclic Aromatic Hydrocarbons (PAHs) and Regulated PAHs of High Concern

Test Method : With reference to AfPS GS 2019:01 PAK. Analysis was performed by GC-MS.

<u>Test Item(s)</u>	1
Naphthalene(NAP)	0.44 mg/kg
Acenaphthylene(ANY)	ND
Acenaphthene(ANA)	ND
Phenanthrene(PHE)	ND
Anthracene(ANT)	ND
Fluorene(FLU)	ND
Fluoranthene(FLT)	ND
Pyrene(PYR)	ND
Benzo(j)fluoranthene(BjF)	ND
Benzo(a)anthracene(BaA)	ND
Chrysene(CHR)	ND
Benzo(b)fluoranthene(BbF)	ND
Benzo(k)fluoranthene(BkF)	ND
Benzo(a)pyrene(BaP)	ND
Indeno(1,2,3-c,d)pyrene(IPY)	ND
Dibenzo(a,h)anthracene(DBA)	ND
Benzo(g,h,i)perylene(BPE)	ND
Benzo(e)pyrene(BeP)	ND
Sum of 18 PAHs	0.44 mg/kg
Conclusion	PASS

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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.

Notes :

Note: n.d. = not detected

mg/kg = ppm

* = Exceeds the TLV

= result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement

Reporting limit = 0.1 mg/kg (for individual compound)

Requirement: Infants Adults

Σ of PAHs 10 mg/kg (Total) 10 mg/kg (Total)

Benzo(a)anthracene (BaA) 0.5 mg/kg 1 mg/kg

Benzo(a)pyrene (BaP) 0.5 mg/kg 1 mg/kg

Benzo(b)fluoranthene (BbF) 0.5 mg/kg 1 mg/kg

Benzo(e)pyrene (BeP) 0.5 mg/kg 1 mg/kg

Benzo(j)fluoranthene (BjF) 0.5 mg/kg 1 mg/kg

Benzo(k)fluoranthene (BkF) 0.5 mg/kg 1 mg/kg

Chrysene (CHR) 0.5 mg/kg 1 mg/kg

Dibenzo(a,h)anthracene (DBA) 0.5 mg/kg 1 mg/kg

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

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