

Test Report **SL92109220384401FW**
 CONNEXIONS TECHNOLOGY (DONGGUAN) LTD.
 NO.6, SHENBAO ROAD, QISHI TOWN, DONG GUAN, GUANG DONG, China

Date: January 14, 2021

Page 1 of 9

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : Non-woven fabric

Color : (A)BLACK

Composition : (A)Non-woven fabric

Style No. : CTPL-0020 / CTPL-0020 WITH VALVE

Manufacture : Connexions Technology(Dong Guan)LTD.,

Country of Destination : Canada, United Kingdom, United States, EUR, WW

Sample Receiving Date : Jan 11, 2021

Testing Period : Jan 11, 2021 - Jan 14, 2021

Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).

Test Performed : Selected test(s) as requested by applicant

Overall Conclusion: **See Results**



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Test Report

SL92109220384401FW

Date: January 14, 2021

Page 2 of 9

Conclusion

pH Value of Textile

Entry 43 of Regulation (EC) No 552/2009 amending Annex
XVII of REACH Regulation (EC) No 1907/2006 - Azo Dyes

See Results

See Results

Remark

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Jacky Xie (Approved Signatory)



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Sample Photo



COMPONENT LIST / List of Materials

Sample No.	Component No.	Description	Material	Color	Remark
A	1	Non-woven fabric	Synthetic Fibers	Black	



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Test Report

SL92109220384401FW

Date: January 14, 2021

Page 5 of 9

Test Result

pH Value of Textile

(ISO 3071:2020; 0.1mol/L KCL extraction)

	-	Unit	1	Requirement
pH Value	-		6.6	-

Note:

- 1) pH value of extraction medium: 5.0 - 7.5
- 2) Temperature of the extraction solution: 22°C



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Entry 43 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Azo Dyes(Direct reduction approach)

Test Method : According to EN ISO 14362-1:2017, analysis was performed by GC-MS/ HPLC-DAD.

Determination of 4-aminoazobenzene (CAS No.:60-09-3) – EN ISO 14362-3:2017, analysis was performed by GC-MS/ HPLC-DAD.

Test Item(s)	CAS NO.	1
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
4,4'-methylenedi-o-toluidine/3,3'-Dimethyl-4,4'-di aminodiphenylmethane	838-88-0	ND
p-cresidine	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-Toluyldiamine, 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



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Notes :

RL (Reporting limit): 5 mg/kg (for individual compound)

ND = Not Detected (< RL)

1. Direct reduction (Method A) refers to the extraction and reduction according to ISO 14362-1:2017 clause 10.2 and relevant clauses. Colorant extraction (Method B) refers to the colourant extraction and subsequent reduction according to ISO 14362-1:2017 Clause 10.1 and relevant clauses.
2. 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.
3. 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.
4. 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 "ND" (i.e. <5.0 mg/kg). Otherwise, ISO 14362-3:2017 will be employed to verify the presence of 4-AAB.



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Entry 43 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Azo Dyes(Colorant extraction approach)

Test Method : According to EN ISO 14362-1:2017, analysis was performed by GC-MS/ HPLC-DAD.
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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
4,4'-methylenedi-o-toluidine/3,3'-Dimethyl-4,4'-di aminodiphenylmethane	838-88-0	ND
p-cresidine	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



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Notes :

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ND = Not Detected (< RL)

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Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)

The statement of conformity in this test report is only based on measured values by the laboratory and does not take their uncertainties into consideration.

End of Report



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