



Test Report

Report No.: WUX20250110133738377AZO

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Applicant: Dongguan Hualingniao Apparel Co., Ltd.

Address: Room 302, No. 313 Taibao Road, Humen Town, Dongguan, Guangdong

Manufacturer: Dongguan Hualingniao Apparel Co., Ltd.

Address: Room 302, No. 313 Taibao Road, Humen Town, Dongguan, Guangdong

Sample name: Hoodie set

Model: Pants-01, T Shirt-02

Trade Mark: HLN

Test Requested: Azo Dyes Content (Analysis of Amines in Dyestuff) - Regulation (EC) No. 1907/2006 Annex XVII Item No. 43

Test Standard: EN ISO 14362-1: 2017

Test Result(s): Please refer to next page(s).

Testing Period: January 09, 2025 to January 13, 2025

Issued date: January 13, 2025



Approved by Tony Bi

Shenzhen Wuxiang Testing (Group) Co., Ltd.

Add: Building B, Xinbaosheng, No.233, Xixiang Street, Bao'an District, Shenzhen, China

Web: www.szcttlab.com Tel: 86-755-23325012 E-mail: ctt@szcttlab.com

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****Modified History****

Revision	Description	Issued Data	Remark
Revision 1.0	Initial Test Report Release	2025/01/13	Candy Zheng

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Test Sample:

Sample Description: Hoodie set

Azo Dye

Test Item(s)	Unit	Test Method (Reference)	Result	MDL
4-Aminobiphenyl/xenylamine/ biphenyl-4-ylamine (CAS NO: 92-67-1)	mg/kg	EN ISO 14362-1: 2017	N.D.	5
Benzidine (CAS NO: 92-87-5)	mg/kg	EN ISO 14362-1: 2017	N.D.	5
4-Chloro-o-toluidine (CAS NO: 95-69-2)	mg/kg	EN ISO 14362-1: 2017	N.D.	5
2-Naphthylamine (CAS NO: 91-59-8)	mg/kg	EN ISO 14362-1: 2017	N.D.	5
3-dimethylazobenzene (CAS NO: 97-56-3)	mg/kg	EN ISO 14362-1: 2017	N.D.	5
2-Amino-4-nitrotoluene/5-nitro-o -toluidine (CAS NO: 99-55-8)	mg/kg	EN ISO 14362-1: 2017	N.D.	5
p- Chloroaniline /4-chloroaniline (CAS NO: 106-47-8)	mg/kg	EN ISO 14362-1: 2017	N.D.	5
2,4-Diaminoanisole/ 4-methoxy-mphenylenediamine (CAS NO:615-05-4)	mg/kg	EN ISO 14362-1: 2017	N.D.	5
4,4'-Diaminodiphenylmethane/ 4,4'-methylenedianiline (CAS NO: 101-77-9)	mg/kg	EN ISO 14362-1: 2017	N.D.	5
3,3'-Dichlorobenzidine/3,3'-dichl orobiphenyl-4,4'- ylenediamine (CAS NO: 91-94-1)	mg/kg	EN ISO 14362-1: 2017	N.D.	5
3,3'-Dimethoxybenzidine/ o-dianisidine (CAS NO: 119-90-4)	mg/kg	EN ISO 14362-1: 2017	N.D.	5
3,3'-Dimethylbenzidine/4,4'-bi-o -toluidine (CAS NO: 119-93-7)	mg/kg	EN ISO 14362-1: 2017	N.D.	5
4,4'-methylenedi-o-toluidine (CAS NO: 838-88-0)	mg/kg	EN ISO 14362-1: 2017	N.D.	5
p-cresidine/6-methoxy-m-toluidi ne (CAS NO: 120-71-8)	mg/kg	EN ISO 14362-1: 2017	N.D.	5

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Test Item(s)	Unit	Test Method (Reference)	Result	MDL
4,4'-Methylene-bis-(2-chloro-aniline)/2,2'-dichloro-4,4'-methylene-dianiline (CAS NO: 101-14-4)	mg/kg	EN ISO 14362-1: 2017	N.D.	5
4,4'-Oxydianiline (CAS NO: 101-80-4)	mg/kg	EN ISO 14362-1: 2017	N.D.	5
4,4'-Thiodianiline (CAS NO: 139-65-1)	mg/kg	EN ISO 14362-1: 2017	N.D.	5
o-Toluidine/2-aminotoluene (CAS NO: 95-53-4)	mg/kg	EN ISO 14362-1: 2017	N.D.	5
2,4-Toluylenediamine/4-methylm-phenylenediamine (CAS NO: 95-80-7)	mg/kg	EN ISO 14362-1: 2017C	N.D.	5
2,4,5-Trimethylaniline (CAS NO: 137-17-7)	mg/kg	EN ISO 14362-1: 2017	N.D.	5
4-Aminoazobenzene* (CAS NO: 60-09-3)	mg/kg	EN ISO 14362-1: 2017	N.D.	5
o-anisidine/2-methoxyaniline (CAS NO: 90-04-0)	mg/kg	EN ISO 14362-1: 2017	N.D.	5
2,4-Xylidine (CAS NO: 95-68-1)	mg/kg	EN ISO 14362-1: 2017	N.D.	5
2,6-Xylidine (CAS NO: 87-62-7)	mg/kg	EN ISO 14362-1: 2017	N.D.	5
Overall Rating	-	-	Pass	-

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Note:

1. mg/kg = ppm

2. N.D. = Not Detected (< MDL)

3. MDL = Method Detection Limit

4. 4.EN ISO 14362-1: 2017 is corresponding to § 64 LFGB BVL B 82.02.2:2004 of German Commodities Ordinance.

5.*: The EN ISO 14362-1: 2017 method will enable further cleavage of 4-aminoazobenzene to non- forbidden amines:

aniline and 1,4-phenylenediamine. If the test result for 4-aminoazobenzene (CAS no.: 60-09-3) is considered as "not detected" (i.e. <5mg/kg) since both aniline and/or 1,4-phenylenediamine is not found (i.e. <5mg/kg) by mentioned test method. Otherwise, the test method of § 64 LFGB BVL B 82.02.9:2008 was employed to verify the presence of 4-aminoazobenzene.

Forbidden Arylamines for Azo Dye Regulations

From the top down 1-22 –Requirement of Entry 43 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No. 1907/2006 (previously restricted under Directive 2002/61/EC)

From the top down 1-20, 22-24 – Client requirement

Comment : Based on the test result, azo colorants which can release one or more of the listed amines by cleavage of their azo groups were not detected in sample (s) or the commodity submitted.

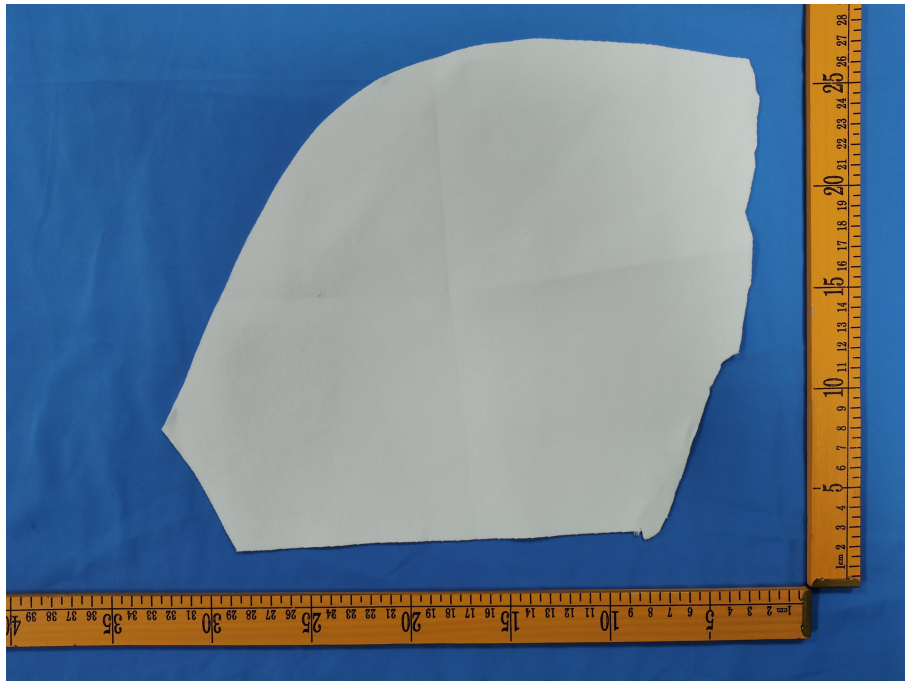
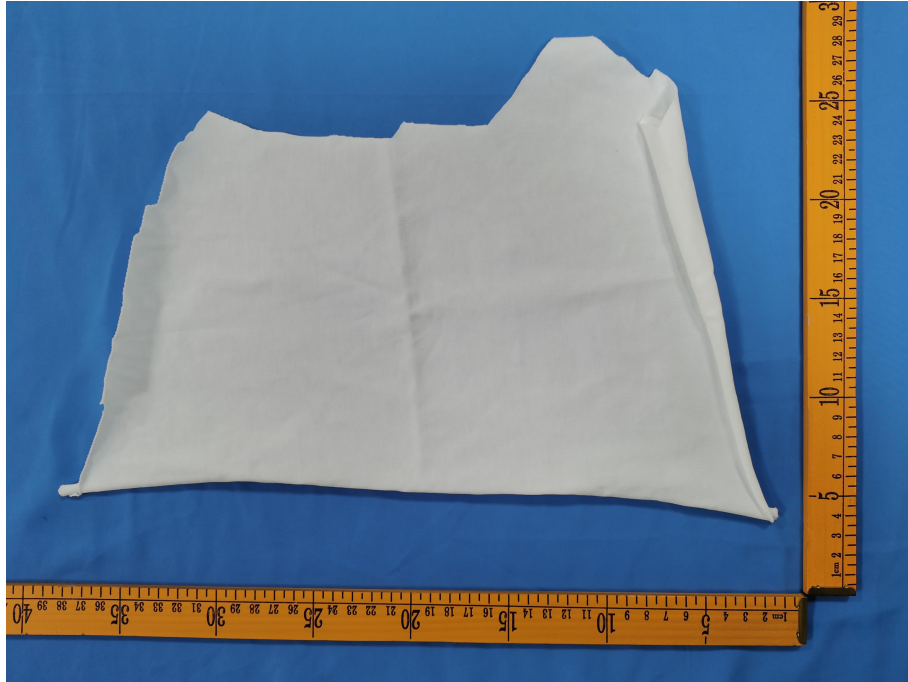
Entry 43 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2002/61/EC) :

No relevant amine exceeding 30 mg/kg

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Sample photos



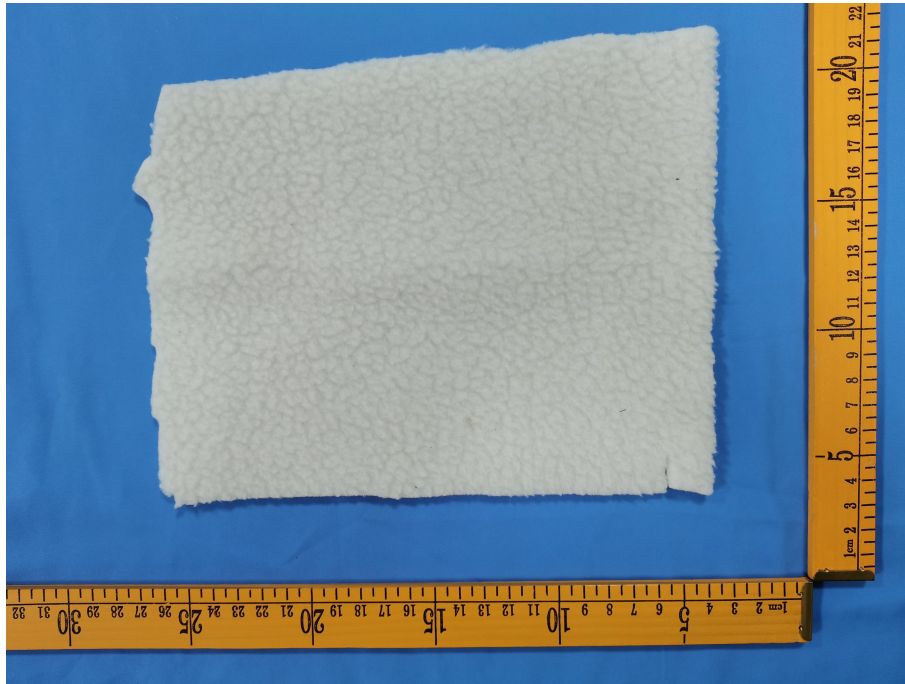
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***** End of Report *****

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