



中国认可
国际互认
检测
TESTING
CNAS L0604

Test Report

SL22102220258501TX

Date: January 26, 2021

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JIANGYIN XINNI TEXTILE CO.,LTD
10 HUANXI ROAD,ZHUTANG TOWN,JIANGYIN CITY,JIANGSU PROVINCE,CHINA

**THIS REPORT CANCELS AND SUPERSEDES THE TEST REPORT NO.SL22002325481901TX DATE: 2020-12-17 ISSUED BY SGS (Qingdao)
UPDATED SAMPLE INFORMATION.**

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

Sample Description : (A/B/C) particle filtering half mask
Sample Color : (A)black; (B)grey; (C)pink
Style No. : (A)RY508-P2B1-N; (B)RY508-P2G1-N; (C)RY508-P2P1-N
Remark : EN 149: 2001+A1:2009 test report: SL52105220997201TX

Sample Receiving Date : Dec 09, 2020
Testing Period : Dec 10, 2020 - Dec 17, 2020
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

Conclusion	A	B	C	Remark
pH Value	PASS	PASS	PASS	
Azo Dyes (Colorants)	PASS	PASS	PASS	

Remark(s) : PASS=Meet Client's/General Requirement

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Qingdao) Co., Ltd.

Angel Guo (Account Executive)

COMPONENT LIST / List of Materials

Sample No.	Component No.	Description	Material	Color	Remark
A	1	black shell fabric	Textile	black	
A	2	black mask stripe	Textile	black	
B	3	grey shell fabric	Textile	grey	
B	4	grey mask stripe	Textile	grey	
C	5	pink shell fabric	Textile	pink	
C	6	pink mask stripe	Textile	pink	

Test Result

pH Value

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

	Unit	1	2	3	Requirement
pH Value	-	8.8	6.6	6.2	3.5-9.5
	Unit	4	5	6	Requirement
pH Value	-	6.7	6.3	6.6	3.5-9.5

Note:

1) pH value of extraction medium: 5.7

2) Temperature of the extraction solution: 21.1°C

Azo Dyes (Direct Reduction & Colorant Extraction)

Test Method : Textile: According to EN ISO 14362-1:2017 - Analysis was conducted with GC-MS/HPLC-DAD.

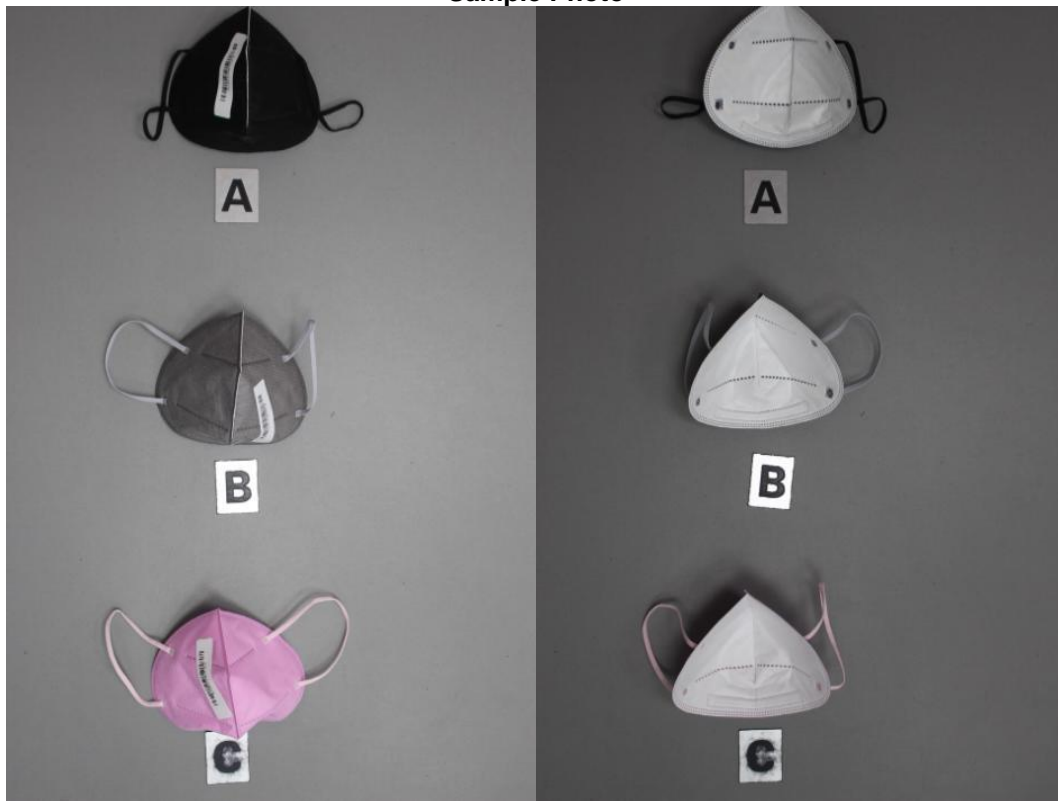
Test Item(s)	CAS NO.	Result 1+3+5	
		Direct reduction ⁺	Colorant extraction ⁺
4-methyl-m-phenylenediamine / 2,4-Toluylenediamine, TDA	95-80-7	ND	ND
2,4,5-Trimethylaniline	137-17-7	ND	ND
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	ND	ND
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	ND	ND
2-Naphthylamine	91-59-8	ND	ND
3,3'-Dichlorobenzidine	91-94-1	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	ND	ND
3,3'-Dimethylbenzidine	119-93-7	ND	ND
4,4'-Oxydianiline	101-80-4	ND	ND
4,4'-Thiodianiline	139-65-1	ND	ND
4,4'-Diaminodiphenylmethane, MDA	101-77-9	ND	ND
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	ND	ND
4,4'-methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	ND	ND
4-aminoazobenzene	60-09-3	ND	ND
4-Aminodiphenyl	92-67-1	ND	ND
4-Chloroaniline	106-47-8	ND	ND
4-Chloro-o-toluidine	95-69-2	ND	ND
Benzidine	92-87-5	ND	ND
o-Aminoazotoluene	97-56-3	ND	ND
O-Anisidine	90-04-0	ND	ND
o-Toluidine	95-53-4	ND	ND
p-Cresidine	120-71-8	ND	ND
Conclusion		PASS	PASS

<u>Test Item(s)</u>	<u>CAS NO.</u>	Result 2+4+6	
		Direct reduction ⁺	Colorant extraction ⁺
4-methyl-m-phenylenediamine / 2,4-Toluyldiamine, TDA	95-80-7	ND	ND
2,4,5-Trimethylaniline	137-17-7	ND	ND
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	ND	ND
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	ND	ND
2-Naphthylamine	91-59-8	ND	ND
3,3'-Dichlorobenzidine	91-94-1	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	ND	ND
3,3'-Dimethylbenzidine	119-93-7	ND	ND
4,4'-Oxydianiline	101-80-4	ND	ND
4,4'-Thiodianiline	139-65-1	ND	ND
4,4'-Diaminodiphenylmethane, MDA	101-77-9	ND	ND
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	ND	ND
4,4'-methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	ND	ND
4-aminoazobenzene	60-09-3	ND	ND
4-Aminodiphenyl	92-67-1	ND	ND
4-Chloroaniline	106-47-8	ND	ND
4-Chloro-o-toluidine	95-69-2	ND	ND
Benzidine	92-87-5	ND	ND
o-Aminoazotoluene	97-56-3	ND	ND
O-Anisidine	90-04-0	ND	ND
o-Toluidine	95-53-4	ND	ND
p-Cresidine	120-71-8	ND	ND
Conclusion		PASS	PASS

Notes :

- MDL(Method Detection Limit) = 5 mg/kg
- ND = Not Detected(< MDL)
- **Client`s requirement: 30 mg/kg**
- * Direct reduction refers to the extraction and reduction according to EN ISO 14362-1:2017 clause 10.2 and relevant clauses. Colorant extraction refers to the colourant extraction and subsequent reduction according to EN ISO 14362-1:2017 clause 10.1 and relevant clauses.
- The EN ISO 14362-1:2017 method will enable further cleavage of 4-aminoazobenzene to non-forbidden amines: aniline and 1,4-phenylenediamine. If aniline and/or 1,4-phenylenediamine is not found (i.e. 5mg/kg) by mentioned test method, test result for 4-aminoazobenzene (CAS no. 60-09-3) is considered as "not detected" (i.e. <5mg/kg). Otherwise, the test method of EN ISO 14362-3:2017 will be employed to verify the presence of 4-aminoazobenzene.
- Whenever 4-aminodiphenyl (CAS number 92-67-1), 2-naphylamine (CAS number 91-59-8) and 4-methoxy-m-phenylene-diamine (CAS number 615-05-4) is found, the use of banned azo colorants cannot be reliably ascertained without additional information, e.g. the chemical structure of the colorants used.
- In case polyurethane materials are used, e.g. PU foams and coatings and in prints, it cannot be ruled out that certain amines, e.g. 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) and 2,4-toluylen-diamine (TDA, CAS number 95-80-7) are released from the PU component and not from a banned azo colorant.
- In case of pigment prints care has to be taken that 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) is not released from a source of banned azo colorants but from e.g. a chemical fixing agent.
- Test was conducted on composite of random parts of the item as per client`s request and the test result is the overall result.

Sample Photo



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