

GOHANDMADE - DSIGN INTERNATIOANL A/S
MADEVEJ 11-13, 6200 AABENRAA, DENMARK

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

Sample Description : Gohandmade Cosy yarn-60%cotton 40%acrylic
Style No. : 17362 Off-white
Buyer : Gohandmade-Dsign Internatioanl A/S Denmark
Manufacturer : Gohandmade-Dsign Internatioanl A/S Denmark
Country of Destination : Denmark

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

Sample Receiving Date : Jan 13, 2020
Testing Period : Jan 13, 2020 - Jan 16, 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).

Conclusion

AZO Dye Analysis

M

Remarks: M=Meet Client's Requirement F=Below Client's Requirement
*=No Specified Requirement

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



Shepherd Wei (Account Executive)



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Test Result
Azo Dyes (Direct Reduction & Colorant Extraction)

Test Method : Textile: According to ISO 14362-1:2017. Analysis was performed by GC-MS/HPLC-DAD.

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Unit</u>	<u>MDL</u>	<u>Result</u>	
				<u>off white yarn</u>	
				<u>Direct reduction⁺</u>	<u>Colorant extraction⁺</u>
4-methyl-m-phenylenediamine / 2,4-Toluylendiamine	95-80-7	mg/kg	5	ND	ND
2,4-Xylidine	95-68-1	mg/kg	5	ND	ND
2,4,5-Trimethylaniline	137-17-7	mg/kg	5	ND	ND
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	mg/kg	5	ND	ND
2,6-Xylidine	87-62-7	mg/kg	5	ND	ND
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	mg/kg	5	ND	ND
2-Naphthylamine	91-59-8	mg/kg	5	ND	ND
3,3'-Dichlorobenzidine	91-94-1	mg/kg	5	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	mg/kg	5	ND	ND
3,3'-Dimethylbenzidine	119-93-7	mg/kg	5	ND	ND
4,4'-Oxydianiline	101-80-4	mg/kg	5	ND	ND
4,4'-Thiodianiline	139-65-1	mg/kg	5	ND	ND
4,4'-Diaminodiphenylmethane	101-77-9	mg/kg	5	ND	ND
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	mg/kg	5	ND	ND
4,4'-methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	mg/kg	5	ND	ND
4-aminoazobenzene	60-09-3	mg/kg	5	ND	ND
4-Aminodiphenyl	92-67-1	mg/kg	5	ND	ND
4-Chloroaniline	106-47-8	mg/kg	5	ND	ND
4-Chloro-o-toluidine	95-69-2	mg/kg	5	ND	ND
Benzidine	92-87-5	mg/kg	5	ND	ND
o-Aminoazotoluene	97-56-3	mg/kg	5	ND	ND
O-Anisidine	90-04-0	mg/kg	5	ND	ND
o-Toluidine	95-53-4	mg/kg	5	ND	ND
p-Cresidine	120-71-8	mg/kg	5	ND	ND
Conclusion				PASS	PASS

Notes :

MDL = Method Detection Limit = 5mg/kg

ND = Not Detected (< MDL)

Client's Requirement: 30 mg/kg (Each)


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

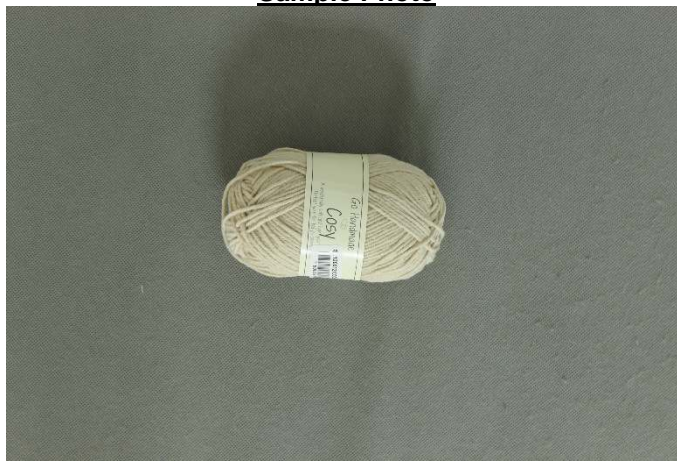
+ Colorant extraction refers to the colourant extraction and subsequent reduction according to ISO 14362-1:2017 clause 10.1 and relevant clauses.

ΔAmine was detected according to the procedure described in ISO 14362-1:2017. However, when the procedure was carried out without the reducing agent, a similar result was obtained. Therefore, the amine originates from a source other than azo colorants. No forbidden azo colorants which release amines have been used.

Material qualitative list

Fiber Type*	Material No.
Type C	off white yarn
* This fiber type identification is for the selection of azo dye testing procedure (i.e. EN 14362-1/3:2012).	
Note:	
Type A = Textile contains natural fibers only and/or regenerated fibers exclude the group of acetate.	
Type B = Textile contains polyester fibers only	
Type C = Textile contains man-made fibers and/or man-made blended fibers (except polyester fibers)	

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 ***

