

DSIGN INTERNATIONAL A/S/GO HANDMADE
MEDEVEJ 11-13 6200 AABENRAA, DENMARK

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

Sample Description : (A)Couture yarn: 100% acrylic in dirty beige for baby/children/adult knitting
(B)Couture yarn: 100% acrylic in dark grey for baby/children/adult knitting
(C)Couture yarn: 100% acrylic in light grey for baby/children/adult knitting
(D)Couture yarn: 100% acrylic in black for baby/children/adult knitting
(E)Couture yarn: 100% acrylic in dark brown for baby/children/adult knitting
(F)Couture yarn: 100% acrylic in light brown for baby/children/adult knitting
(G)Couture yarn: 100% acrylic in light pink for baby/children/adult knitting
(H)Couture yarn: 100% acrylic in pink for baby/children/adult knitting
(I)Couture yarn: 100% acrylic in terracotta red for baby/children/adult knitting

Style No. : 17401/ 17402/ 17403/ 17404/ 17405/ 17406/ 17407/ 17408/ 17409
Buyer : Dsign International A/S/Go Handmade
Order No. : CK170711
Manufacturer : Dsign International A/S/Go Handmade
Country of Destination : Denmark
Country of Origin : China
Supplier : Dsign International A/S/Go Handmade

Proposed Care Instruction : -

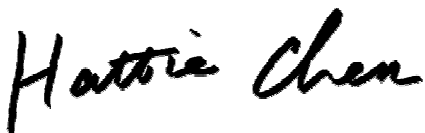
Test Performed : Selected test(s) as requested by applicant

Sample Receiving Date : Oct 31, 2017

Testing Period : Nov 03, 2017 - Nov 14, 2017

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).

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



Hattie Chen
Account Executive



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Test Result

Azo Dyes

Test Method:

All Textile: According to EN 14362-1:2012 – Analysis was conducted with GC-MS/HPLC-DAD

Amines	CAS No.	Result (mg/kg)		
		A	B	C
4-Aminobiphenyl	92-67-1	ND	ND	ND
Benzidine	92-87-5	ND	ND	ND
4-Chlor-o-toluidine	95-69-2	ND	ND	ND
2-Naphthylamine	91-59-8	ND	ND	ND
o-Aminoazotoluene	97-56-3	ND	ND	ND
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	ND	ND	ND
4-Chloroaniline	106-47-8	ND	ND	ND
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	ND	ND	ND
4,4'-Diaminodiphenylmethane	101-77-9	ND	ND	ND
3,3'-Dichlorobenzidine	91-94-1	ND	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	ND	ND	ND
3,3'-Dimethylbenzidine	119-93-7	ND	ND	ND
4,4'-methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	ND	ND	ND
p-Cresidine	120-71-8	ND	ND	ND
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	ND	ND	ND
4,4'-Oxydianiline	101-80-4	ND	ND	ND
4,4'-Thiodianiline	139-65-1	ND	ND	ND
o-Toluidine	95-53-4	ND	ND	ND
4-methyl-m-phenylenediamine / 2,4-Toluylendiamine	95-80-7	ND	ND	ND
2,4,5-Trimethylaniline	137-17-7	ND	ND	ND
4-aminoazobenzene	60-09-3	ND	ND	ND
O-Anisidine	90-04-0	ND	ND	ND
Conclusion		Pass	Pass	Pass

Note: ND = Not Detected(<MDL)
 MDL(Method Detection Limit)= 5 mg/kg (for individual compound)
Max Limit: 30 mg/kg (for individual compound)



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Azo Dyes

Test Method:

All Textile: According to EN 14362-1:2012 – Analysis was conducted with GC-MS/HPLC-DAD

Amines	CAS No.	Result (mg/kg)		
		D	E	F
4-Aminobiphenyl	92-67-1	ND	ND	ND
Benzidine	92-87-5	ND	ND	ND
4-Chlor-o-toluidine	95-69-2	ND	ND	ND
2-Naphthylamine	91-59-8	ND	ND	ND
o-Aminoazotoluene	97-56-3	ND	ND	ND
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	ND	ND	ND
4-Chloroaniline	106-47-8	ND	ND	ND
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	ND	ND	ND
4,4'-Diaminodiphenylmethane	101-77-9	ND	ND	ND
3,3'-Dichlorobenzidine	91-94-1	ND	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	ND	ND	ND
3,3'-Dimethylbenzidine	119-93-7	ND	ND	ND
4,4'-methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	ND	ND	ND
p-Cresidine	120-71-8	ND	ND	ND
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	ND	ND	ND
4,4'-Oxydianiline	101-80-4	ND	ND	ND
4,4'-Thiodianiline	139-65-1	ND	ND	ND
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4-methyl-m-phenylenediamine / 2,4-Toluyldiamine	95-80-7	ND	ND	ND
2,4,5-Trimethylaniline	137-17-7	ND	ND	ND
4-aminoazobenzene	60-09-3	ND	ND	ND
O-Anisidine	90-04-0	ND	ND	ND
Conclusion		Pass	Pass	Pass

Note:

ND = Not Detected(<MDL)

MDL(Method Detection Limit)= 5 mg/kg (for individual compound)

Max Limit:

30 mg/kg

(for individual compound)



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o-Aminoazotoluene	97-56-3	ND	ND	ND
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	ND	ND	ND
4-Chloroaniline	106-47-8	ND	ND	ND
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	ND	ND	ND
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4,4'-methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	ND	ND	ND
p-Cresidine	120-71-8	ND	ND	ND
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	ND	ND	ND
4,4'-Oxydianiline	101-80-4	ND	ND	ND
4,4'-Thiodianiline	139-65-1	ND	ND	ND
o-Toluidine	95-53-4	ND	ND	ND
4-methyl-m-phenylenediamine / 2,4-Toluyldiamine	95-80-7	ND	ND	ND
2,4,5-Trimethylaniline	137-17-7	ND	ND	ND
4-aminoazobenzene	60-09-3	ND	ND	ND
O-Anisidine	90-04-0	ND	ND	ND
Conclusion		Pass	Pass	Pass

Note: ND = Not Detected(<MDL)
 MDL(Method Detection Limit)= 5 mg/kg (for individual compound)
Max Limit: 30 mg/kg (for individual compound)



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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.

The EN 14362-1:2012 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 14362-3:2012 will be employed to verify the presence of 4-aminoazobenzene.

Max. limit specified by entry 43 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006

Sample Photo



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*** End of Report ***



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