

Dsign International A/S /Go Handmade
 MADEVEJ 11-13 6200 AABENRAA, DENMARK

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

Sample Description : (A-S) Little one's Cotton: 100% cotton in (A)light rose (B)rose (C)beige (D)pink (E)yellow (F)sky blue (G)vintage purple (H)petrol blue (I)light pink (J)light lavender (K)grey (L)caramel brown (M)white (N)apple green (O)off-white (P)jeans blue (Q)brown (R)warm yellow (S)light grey for knitting

Style No. : A:17431 B:17432 C:17433 D:17434 E:17435 F:17436 G:17437 H:17438 I:17439 J:17440 K:17441 L:17442 M:17443 N:17444 O:17445 P:17446 Q:17447 R:17448 S:17449

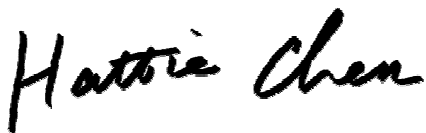
Buyer : Dsign International A/S /Go Handmade
 Order No. : CK170910
 Manufacturer : Dsign International A/S /Go Handmade
 Country of Destination : Denmark
 Country of Origin : China
 Supplier : Dsign International A/S /Go Handmade

Proposed Care Instruction : -

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

Sample Receiving Date : Jan 10, 2018
 Testing Period : Jan 15, 2018 - Jan 18, 2018
 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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 Testing Center 中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61402666 f (86-21) 64958763 e sgs.china@sgs.com

Test Result
Azo Dyes

Test Method:

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

Amines	Result (mg/kg)	
	CAS No.	A
4-Aminobiphenyl	92-67-1	ND
Benzidine	92-87-5	ND
4-Chlor-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	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'-diaminodiphenylmethane	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-Toluylendiamine	95-80-7	ND
2,4,5-Trimethylaniline	137-17-7	ND
4-aminoazobenzene	60-09-3	ND
O-Anisidine	90-04-0	ND
Conclusion		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)		
		B	C	D
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)		
		E	F	G
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)		
		H	I	J
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)		
		K	L	M
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)		
		N	O	P
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)		
		Q	R	S
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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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



*** End of Report ***

