

THIS DOCUMENT WAS REDACTED WITH THE PRODUCTIP REDACTION TOOL ON 2019-09-29. AT THE TIME OF GENERATING THE DOCUMENT THE ORIGINAL DOCUMENT WAS AVAILABLE ALSO. THE ORIGINAL CAN ONLY BE MADE AVAILABLE BY THE DOCUMENT OWNER.

Report No.:	02039-1 SHA19
Date:	08.03.19
Order No.:	SHA-02338-19
Date of order:	04.03.19
Contact:	Ava Zhou
Direct dial:	+86 (21) 60725688 - 5658
Email:	ava.zhou@hansecontrol.com

Test Report

Order description: **Chemical Test**

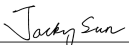
Article Name	camping mat with backrest
Article No.	
Condition of sample at delivery	no defects
Arrival date	04.03.19
Test start date	04.03.19
Test end date	08.03.19



Limit lists	
Chem.	Limit values according to Hofer requirements

Final conclusion: PASS

Test results and evaluation are only related to tested items and to performed methods. Detailed information regarding measurement uncertainties are available on request.


Jacky Sun
Report Reviewer

Summary

19-008923-01 - camping mat with backrest

Age Group: Adult

The following test item(s) was/were performed on selected sample(s) and/or component(s) appointed by the client.

All test results comply with the requirements according to the scope of analysis.

THIS DOCUMENT WAS REDACTED WITH THE PRODUCTIP REDACTION TOOL ON 2019-09-29. AT THE TIME OF GENERATING THE DOCUMENT THE ORIGINAL DOCUMENT WAS AVAILABLE ALSO. THE ORIGINAL CAN ONLY BE MADE AVAILABLE BY THE DOCUMENT OWNER.

Overview of Chem. testing

Sample no	Type / Style
19-008923-01	-

Component list	
No	Components
01	Binding black synthetic textile
02	Zipper tape black synthetic textile
03	Zipper teeth black soft plastic
04	Orange thread
05	Dark green thread
06	Mint green thread

Customer requirements evaluation				
	Components			
	Tested	Result	Failed	Not tested
Azo dyes (with extraction)	01, 02, 04, 05, 06	PASS		
Azo dyes (without extraction)	01, 02, 04, 05, 06	PASS		
Azo dyes: 4-aminoazobenzene(with extraction)	04, 05, 06	PASS		
Azo dyes: 4-aminoazobenzene(without extraction)	04, 05, 06	PASS		
Dyestuffs	01, 02, 04, 05, 06	PASS		
Phenols (textile)	01, 02, 04, 05, 06	PASS		
Phthalates	03	PASS		
Polycyclic aromatic hydrocarbons (PAHs - Category 3)	03	PASS		
Short chain chlorinated paraffins(SCCP)	03	PASS		
Total Cadmium	03	PASS		
Total Lead	03	PASS		

Legend: Chem.: chemical tests, Phys.: physical tests, m.s.: composite sample, n.d.: not determined, n.a.: not applicable, n.t.: not tested, i.m.: insufficient material, sum: see summary, s.c.: see component, pos: positive, neg: negative, min: minimum limit, max: maximum limit, BL: below limit, IN: inconclusive

THIS DOCUMENT WAS REDACTED WITH THE PRODUCTIP REDACTION TOOL ON 2019-09-29. AT THE TIME OF GENERATING THE DOCUMENT THE ORIGINAL DOCUMENT WAS AVAILABLE ALSO. THE ORIGINAL CAN ONLY BE MADE AVAILABLE BY THE DOCUMENT OWNER.

Detailed results of Chem. testing

Sample no: 19-008923-01

Azo dyes (with extraction)

Sample type: Chem.

Norm: §64 LFGB B 82.02-2(DIN EN ISO 14362-1)

Parameter	Unit	Limit	01+02	04+05+06
			Result	Result
4-aminobiphenyl	mg/kg	30	<5	<5
benzidine	mg/kg	30	<5	<5
4-chloro-o-toluidine	mg/kg	30	<5	<5
2-naphthylamine	mg/kg	30	<5	<5
o-aminoazotoluene	mg/kg	30	<5	<5
2-amino-4-nitrotoluene	mg/kg	30	<5	<5
4-chloroaniline	mg/kg	30	<5	<5
2,4-diaminoaniso	mg/kg	30	<5	<5
4,4'-diaminodiphenylmethane	mg/kg	30	<5	<5
3,3'-dichlorobenzidine	mg/kg	30	<5	<5
3,3'-dimethoxybenzidine	mg/kg	30	<5	<5
3,3'-dimethylbenzidine	mg/kg	30	<5	<5
4,4'-methylenedi-o-toluidine	mg/kg	30	<5	<5
p-cresidine	mg/kg	30	<5	<5
4,4'-methylene-bis-(2-chloro-aniline)	mg/kg	30	<5	<5
4,4'-oxydianiline	mg/kg	30	<5	<5
4,4'-thiodianiline	mg/kg	30	<5	<5
o-toluidine	mg/kg	30	<5	<5
2,4-toluylendiamine	mg/kg	30	<5	<5
2,4,5-trimethylaniline	mg/kg	30	<5	<5
o-anisidine	mg/kg	30	<5	<5
4-aminoazobenzene	mg/kg	30	<5	s.c.
Evaluation			PASS	PASS

Azo dyes (without extraction)

Sample type: Chem.

Norm: §64 LFGB B 82.02-2 (DIN EN ISO 14362-1)

			01+02	04+05+06
Parameter	Unit	Limit	Result	Result
4-aminobiphenyl	mg/kg	30	<5	<5
benzidine	mg/kg	30	<5	<5
4-chloro-o-toluidine	mg/kg	30	<5	<5
2-naphthylamine	mg/kg	30	<5	<5
o-aminoazotoluene	mg/kg	30	<5	<5
2-amino-4-nitrotoluene	mg/kg	30	<5	<5
4-chloroaniline	mg/kg	30	<5	<5
2,4-diaminoanisole	mg/kg	30	<5	<5
4,4'-diaminodiphenylmethane	mg/kg	30	<5	<5
3,3'-dichlorobenzidine	mg/kg	30	<5	<5
3,3'-dimethoxybenzidine	mg/kg	30	<5	<5
3,3'-dimethylbenzidine	mg/kg	30	<5	<5
4,4'-methylenedi-o-toluidine	mg/kg	30	<5	<5
p-cresidine	mg/kg	30	<5	<5
4,4'-methylene-bis-(2-chloro-aniline)	mg/kg	30	<5	<5
4,4'-oxydianiline	mg/kg	30	<5	<5
4,4'-thiodianiline	mg/kg	30	<5	<5
o-toluidine	mg/kg	30	<5	<5
2,4-toluylendiamine	mg/kg	30	<5	<5
2,4,5-trimethylaniline	mg/kg	30	<5	<5
o-anisidine	mg/kg	30	<5	<5
4-aminoazobenzene	mg/kg	30	<5	s.c.
Evaluation			PASS	PASS

Azo dyes: 4-aminoazobenzene(with extraction)

Sample type: Chem.

Norm: §64 LFGB 82.02-15 / DIN EN ISO 14362-3

			04+05+06
Parameter	Unit	Limit	Result
4-aminoazobenzene	mg/kg	30	<5
Evaluation			PASS

Azo dyes: 4-aminoazobenzene(without extraction)

Sample type: Chem.

Norm: §64 LFGB 82.02-15 / DIN EN ISO 14362-3

			04+05+06
Parameter	Unit	Limit	Result
4-aminoazobenzene	mg/kg	30	<5
Evaluation			PASS

THIS DOCUMENT WAS REDACTED WITH THE PRODUCTIP REDACTION TOOL ON 2019-09-29. AT THE TIME OF GENERATING THE ORIGINAL DOCUMENT WAS AVAILABLE ALSO. THE ORIGINAL CAN ONLY BE MADE AVAILABLE BY THE DOCUMENT OWNER.

Dyestuffs

Sample type: Chem.

Norm: DIN 54231

			01+02	04+05+06
Parameter	Unit	Limit	Result	Result
Disperse Blue 1	mg/l	5	<1	<1
Disperse Blue 35	mg/l	5	<1	<1
Disperse Blue 106	mg/l	5	<1	<1
Disperse Blue 124	mg/l	5	<1	<1
Disperse Orange 3	mg/l	5	<1	<1
Disperse Orange 37 / 59 / 76	mg/l	5	<1	<1
Disperse Red 1	mg/l	5	<1	<1
Disperse Yellow 3	mg/l	5	<1	<1
Evaluation			PASS	PASS

Phenols (textile)

Sample type: Chem.

Norm: DIN EN ISO 17070 (mod.)

			01+02	04+05+06
Parameter	Unit	Limit	Result	Result
Pentachlorophenol	mg/kg	5	<0.05	0.13
Tetrachlorophenols total	mg/kg	5	<0.05	0.30
Trichlorophenols total	mg/kg	5	<0.05	<0.05
Evaluation			PASS	PASS

THIS DOCUMENT WAS REDACTED WITH THE PRODUCTIP REDACTION TOOL ON 2019-09-29. AT THE TIME OF GENERATING THE DOCUMENT THE ORIGINAL DOCUMENT WAS AVAILABLE ALSO. THE ORIGINAL CAN ONLY BE MADE AVAILABLE BY THE DOCUMENT OWNER.

Phthalates

Sample type: Chem.
Norm: ISO 14389(mod.)

			03
Parameter	Unit	Limit	Result
Dibutyl phthalate / DBP	%	0.1	<0.005
Butylbenzyl phthalate/ BBP	%	0.1	<0.005
Di-(2ethylhexyl)-phthalate / DEHP	%	0.1	<0.005
Di-iso-butylphthalate / DIBP	%	0.1	<0.005
1,2-Benzenedicarboxylic acid, di-C7-11- branched and linear alkyl esters	%	0.1	<0.005
1,2-Benzenedicarboxylic acid, di-C6-8- branched alkyl esters, C7-rich	%	0.1	<0.005
Bis(2-methoxyethyl) phthalate / BMEP	%	0.1	<0.005
Di-n-hexylphthalate / DnHP	%	0.1	<0.005
Diisopentylphthalate / DIPP	%	0.1	<0.005
N-Pentyl-isopentylphthalate / PIPP	%	0.1	<0.005
Di-n-pentylphthalate / DNPP	%	0.1	<0.005
1,2-Benzenedicarboxylic acid dipentylester, branched and linear	%	0.1	<0.005
Dihexyl phthalate, branched and linear / DHP	%	0.1	<0.005
dicyclohexyl phthalate / DCHP	%	0.1	<0.005
1,2-benzenedicarboxylic acid, di-C6-10- alkylesters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters, with >= 0,3 % of dihexylphthalate	%	0.1	<0.005
Evaluation			PASS

THIS DOCUMENT WAS REDACTED WITH THE PRODUCTIP REDACTION TOOL ON 2019-09-29. AT THE TIME OF GENERATING THE DOCUMENT THE ORIGINAL DOCUMENT WAS AVAILABLE ALSO. THE ORIGINAL CAN ONLY BE MADE AVAILABLE BY THE DOCUMENT OWNER.

Polycyclic aromatic hydrocarbons (PAHs - Category 3)

Sample type: Chem.
Norm: AfPS GS 2014:01 PAK

			03
Parameter	Unit	Limit	Result
Acenaphthylene	mg/kg	-	<0.2
Acenaphthene	mg/kg	-	<0.2
Fluorene	mg/kg	-	<0.2
Phenanthrene	mg/kg	-	<0.2
Anthracene	mg/kg	-	<0.2
Fluoranthene	mg/kg	-	<0.2
Pyrene	mg/kg	-	<0.2
Benzo[a]pyrene	mg/kg	1	<0.2
Benzo[e]pyrene	mg/kg	1	<0.2
Benzo[a]anthracene	mg/kg	1	<0.2
Benzo[b]fluoranthene	mg/kg	1	<0.2
Benzo[j]fluoranthene	mg/kg	1	<0.2
Benzo[k]fluoranthene	mg/kg	1	<0.2
Chrysene	mg/kg	1	<0.2
Dibenzo[a,h]anthracene	mg/kg	1	<0.2
Benzo(g,h,i)perylene	mg/kg	1	<0.2
Indeno[1,2,3-cd]pyrene	mg/kg	1	<0.2
Naphthalene	mg/kg	10	<0.2
Sum PAH (acenaphthylene, acenaphthene, fluorene, phenanthrene, pyrene, anthracene, fluoranthene)	mg/kg	50	<0.2
Polycyclic aromatic hydrocarbons - sum 18-PAH	mg/kg	50	<50
Evaluation			PASS

Short chain chlorinated paraffins(SCCP)

Sample type: Chem.
Norm: DIN EN ISO 18219 (mod.)

			03
Parameter	Unit	Limit	Result
Short chain chlorinated paraffins C10-C13 (SCCP)	mg/kg	1000	<50
Evaluation			PASS

Total Cadmium

Sample type: Chem.
Norm: EPA 3015 A;EN ISO 17294-2;EN 16711-1

			03
Parameter	Unit	Limit	Result
Cadmium (Cd):total content	mg/kg	100	<10
Evaluation			PASS

THIS DOCUMENT WAS REDACTED WITH THE PRODUCTIP REDACTION TOOL ON 2019-09-29. AT THE TIME OF GENERATING THE DOCUMENT THE ORIGINAL DOCUMENT WAS AVAILABLE ALSO. THE ORIGINAL CAN ONLY BE MADE AVAILABLE BY THE DOCUMENT OWNER.

Report No.:

Order No.:

Date:

Page:

02039-1 SHA19

SHA-02338-19

08.03.19

9 / 12

Total Lead

Sample type: Chem.

Norm: EPA 3015 A;EN ISO 17294-2;EN 16711-1

			03
Parameter	Unit	Limit	Result
Lead (Pb): total content	mg/kg	100	<10
Evaluation			PASS

THIS DOCUMENT WAS REDACTED WITH THE PRODUCTIP REDACTION TOOL ON 2019-09-29. AT THE TIME OF GENERATING THE DOCUMENT THE ORIGINAL DOCUMENT WAS AVAILABLE ALSO. THE ORIGINAL CAN ONLY BE MADE AVAILABLE BY THE DOCUMENT OWNER.

The tested item was selected by the client. Remaining test material is disposed after 3 months. The report must not be reproduced except in full content without the written approval of the testing laboratory. The report is signed digitally and password protected. For printing use the print option -document and comments-. The amount of minor components may be insufficient to perform the announced tests. In this case the test report will carry the mark: component insufficient for lab test. If testing of all components is required we need a sufficient amount of all minor components.

Azo dyes (with extraction)

Test method: §64 LFGB B 82.02-2(DIN EN ISO 14362-1)

standardized method

Extraction by organic solvent and detection by GC-MSD and verification by HPLC.
Azo colorants that are able to form 4-aminoazobenzene generate under the condition of this method aniline and 1,4-phenylenediamine. The quantification of 4-aminoazobenzene is performed according to DIN EN ISO 14362-3.

Parameter	CAS No	Parameter	CAS No
2,4,5-trimethylaniline	137-17-7	4,4'-oxydianiline	101-80-4
2,4-diaminoanisole	615-05-4	4,4'-thiodianiline	139-65-1
2,4-toluylendiamine	95-80-7	4-aminoazobenzene	60-09-3
2-amino-4-nitrotoluene	99-55-8	4-aminobiphenyl	92-67-1
2-naphthylamine	91-59-8	4-chloroaniline	106-47-8
3,3'-dichlorobenzidine	91-94-1	4-chloro-o-toluidine	95-69-2
3,3'-dimethoxybenzidine	119-90-4	benzidine	92-87-5
3,3'-dimethylbenzidine	119-93-7	o-aminoazotoluene	97-56-3
4,4'-diaminodiphenylmethane	101-77-9	o-anisidine	90-04-0
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	o-toluidine	95-53-4
4,4'-methylenedi-o-toluidine	838-88-0	p-cresidine	120-71-8

Azo dyes (without extraction)

Test method: §64 LFGB B 82.02-2 (DIN EN ISO 14362-1)

standardized method

Extraction in buffer solution, reduction, clean up with liquid / liquid extraction. Detection by GC-MS and LC-MS.
Azo colorants that are able to form 4-aminoazobenzene generate under the condition of this method aniline and 1,4-phenylenediamine. The quantification of 4-aminoazobenzene is performed according to DIN EN ISO 14362-3.

Parameter	CAS No	Parameter	CAS No
2,4,5-trimethylaniline	137-17-7	4,4'-oxydianiline	101-80-4
2,4-diaminoanisole	615-05-4	4,4'-thiodianiline	139-65-1
2,4-toluylendiamine	95-80-7	4-aminoazobenzene	60-09-3
2-amino-4-nitrotoluene	99-55-8	4-aminobiphenyl	92-67-1
2-naphthylamine	91-59-8	4-chloroaniline	106-47-8
3,3'-dichlorobenzidine	91-94-1	4-chloro-o-toluidine	95-69-2
3,3'-dimethoxybenzidine	119-90-4	benzidine	92-87-5
3,3'-dimethylbenzidine	119-93-7	o-aminoazotoluene	97-56-3
4,4'-diaminodiphenylmethane	101-77-9	o-anisidine	90-04-0
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	o-toluidine	95-53-4
4,4'-methylenedi-o-toluidine	838-88-0	p-cresidine	120-71-8

Azo dyes: 4-aminoazobenzene(with extraction)

Test method: §64 LFGB 82.02-15 / DIN EN ISO 14362-3

standardized method

Extraction by organic solvent and detection by GC-MSD

Parameter	CAS No	Parameter	CAS No
4-aminoazobenzene	60-09-3		

Azo dyes: 4-aminoazobenzene(without extraction)

Test method: §64 LFGB 82.02-15 / DIN EN ISO 14362-3

standardized method

Extraction by organic solvent and detection by GC-MSD

Parameter	CAS No	Parameter	CAS No
4-aminoazobenzene	60-09-3		

Dyestuffs

Test method: DIN 54231

standardized method

Extraction at 70°C in methanol for 30 min, clean up by filtration, detection by LC-MSD

Parameter	CAS No	Parameter	CAS No
Disperse Blue 1	2475-45-8	Disperse Orange 3	730-40-5
Disperse Blue 106	12223-01-7	Disperse Orange 37 / 59 / 76	13301-61-6
Disperse Blue 124	61951-51-7	Disperse Red 1	2872-52-8
Disperse Blue 35	12222-75-2	Disperse Yellow 3	2832-40-8

Phenols (textile)

Test method: DIN EN ISO 17070 (mod.)

standardized method

Phthalates

Test method: ISO 14389(mod.)

standardized method

With reference to ISO 14389 ,Analysis by GC/MS

Parameter	CAS No	Parameter	CAS No
1,2-benzenedicarboxylic acid, di-C6-10-alkylesters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters, with >= 0,3 % of dihexylphthalate	68648-93-1; 68515-51	Dibutyl phthalate / DBP	84-74-2
		dicyclohexyl phthalate / DCHP	84-61-7
		Dihexyl phthalate, branched and linear / DHP	68515-50-4
1,2-Benzenedicarboxylic acid dipentylester, branched and linear	84777-06-0	Di-iso-butylphthalate / DIBP	84-69-5
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	Diisopentylphthalate / DIPP	605-50-5
		Di-n-hexylphthalate / DnHP	84-75-3
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	Di-n-pentylphthalate / DNPP	131-18-0
		N-Pentyl-isopentylphthalate / PIPP	776297-69-9
1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	68648-93-1		
Bis(2-methoxyethyl) phthalate / BMEP	117-82-8		
Butylbenzyl phthalate/ BBP	85-68-7		
Di-(2ethylhexyl)-phthalate / DEHP	117-81-7		

Polycyclic aromatic hydrocarbons (PAHs - Category 3)

Test method: AfPS GS 2014:01 PAK

standardized method

Parameter	CAS No	Parameter	CAS No
Acenaphthene	83-32-9	Benzo[k]fluoranthene	207-08-9
Acenaphthylene	208-96-8	Chrysene	218-01-9
Anthracene	120-12-7	Dibenzo[a,h]anthracene	53-70-3
Benzo(g,h,i)perylene	191-24-2	Fluoranthene	206-44-0
Benzo[a]anthracene	56-55-3	Fluorene	86-73-7
Benzo[a]pyrene	50-32-8	Indeno[1,2,3-cd]pyrene	193-39-5
Benzo[b]fluoranthene	205-99-2	Naphthalene	91-20-3
Benzo[e]pyrene	192-97-2	Phenanthrene	85-01-8
Benzo[j]fluoranthene	205-82-3	Pyrene	129-00-0

Short chain chlorinated paraffins(SCCP)

Test method: DIN EN ISO 18219 (mod.)

standardized method

Parameter	CAS No	Parameter	CAS No
Short chain chlorinated paraffins C10-C13 (SCCP)	85535-84-8		

THIS DOCUMENT WAS REDACTED WITH THE PRODUCTIP REDACTION TOOL ON 2019-09-29. AT THE TIME OF GENERATING THE DOCUMENT THE ORIGINAL DOCUMENT WAS AVAILABLE ALSO. THE ORIGINAL CAN ONLY BE MADE AVAILABLE BY THE DOCUMENT OWNER.

Report No.:02039-1 SHA19

Order No.:SHA-02338-19

Date:08.03.19

Page:12 / 12

Total Cadmium

Test method: EPA 3015 A;EN ISO 17294-2;EN 16711-1			
standardized method			
Parameter	CAS No	Parameter	CAS No
Cadmium (Cd)	7440-43-9		

Total Lead

Test method: EPA 3015 A;EN ISO 17294-2;EN 16711-1			
standardized method			
Parameter	CAS No	Parameter	CAS No
Lead (Pb): total content	7439-92-1		