

Serial No.	Description of article or material	Additional information					Material composition
		Quality	Article No.	Colour No.	Design	Colour	
9	painting pronged ring					pink, brass	ME
9 a	paint					pink	-
10	pronged ring					silver	ME
11	rivet part					silver	ME
12	spring loop part					silver	ME
13	painting rivet cap					green, brass	ME
13 a	paint on cap part					green	-
13 b	rivet part					brass	ME
14	painting rivet cap					blue, brass	ME
14 a	paint on cap part					blue	
14 b	rivet part					brass	ME
15	painting eyelet					brown, brass	ME
15 a	paint					brown	-
16	rivet ring					silver	ME
17	painting rivet cap					navy, brass	ME
17 a	paint on cap part					navy	-
17 b	rivet part					silver	ME
18	pointed tack					silver	ME
19	eyelet					brass	ME
20	pointed tack (from jeans button)					silver	ME
21	jeans button					dark silver	ME
22	jeans button					silver	ME
23	jeans button					brass, silver	ME
24	jeans button					antique silver, silver	ME
25	pointed tack (from jeans button)					silver	ME

Serial No.	Description of article or material	Additional information					Material composition
		Quality	Article No.	Colour No.	Design	Colour	
26	jeans button					silver	ME
27	rivet cap					antique copper	ME

If only parts of certain articles were included in the tests, only these parts are named in the list of materials.

TEST RESULT/S

Tests were carried out in accordance with STANDARD 100 by OEKO-TEX® Appendix 4.

The test results are given in the charts below.

Note: n.d. = not detectable (below quantification limit)

sample		extractable heavy metals in mg/kg (ppm)								
		Sb antimony	As arsenic	Pb lead	Cd cadmium	Cr chromium	Co cobalt	Cu copper	Ni nickel	Hg mercury
2 ^A	painted rivet cap orange, brass	--	--	--	--	--	--	--	0,1	--
3 ^A	painted rivet cap yellow, brass	--	--	--	--	--	--	--	0,2	--
4	painted rivet cap red, brass	< 4	< 0,1	< 0,1	< 0,05	< 0,1	< 0,1	510	0,1	< 0,01
5	painted rivet cap black, brass	< 4	< 0,1	< 0,1	< 0,05	< 0,1	< 0,1	534	0,1	< 0,01
6 ^A	painted rivet cap dark blue, brass	--	--	--	--	--	--	--	0,1	--
7	painted rivet cap dark green, brass	< 4	< 0,1	< 0,1	< 0,05	< 0,1	< 0,1	501	0,1	< 0,01
15	painted eyelet brown, brass	< 4	< 0,1	< 0,1	< 0,05	< 0,1	< 0,1	190	< 0,1	< 0,01
16 ^A	rivet ring silver	--	--	--	--	--	--	--	< 0,1	--
18 ^A	pointed tack silver	--	--	--	--	--	--	--	< 0,1	--
21	jeans button dark silver	< 4	< 0,1	< 0,1	< 0,05	< 0,1	< 0,1	< 4	< 0,1	< 0,01
23	jeans button brass, silver	< 4	< 0,1	< 0,1	< 0,05	< 0,1	< 0,1	9	< 0,1	< 0,01

sample	extractable heavy metals in mg/kg (ppm)								
	Sb antimony	As arsenic	Pb lead	Cd cadmium	Cr chromium	Co cobalt	Cu copper	Ni nickel	Hg mercury
24 ^A jeans button antique silver, silver	--	--	--	--	--	--	--	0,1	--
27 rivet cap antique copper	< 4	< 0,1	< 0,1	< 0,05	< 0,1	< 0,1	472	< 0,1	< 0,01
limit values acc. to STANDARD 100 by OEKO-TEX®									
product class I	30	0,2	0,2	0,1	1,0	1,0	25,0 ²	1,0 ³	0,02
product class II	30	1,0	1,0 ¹	0,1	2,0	4,0	50,0 ²	4,0 ⁴	0,02
product class III	30	1,0	1,0 ¹	0,1	2,0	4,0	50,0 ²	4,0 ⁴	0,02
product class IV	--	1,0	1,0 ¹	0,1	2,0	4,0	50,0 ²	4,0 ⁴	0,02

Notes:

A Test after mechanical ageing (EN 12472)

¹ No requirement for accessories made from glass

² No requirement for accessories and yarns made from inorganic materials, respecting the requirements regarding biological active products.

³ For metallic accessories and metallized surfaces: 0,5 mg/kg

⁴ For metallic accessories and metallized surfaces: 1,0 mg/kg

sample	heavy metals in digested sample (total content) in mg/kg (ppm)	
	Cd cadmium	Pb lead
2a paint on cap part orange	<16	<16
2b rivet part brass	<20	23
3a paint on cap part yellow	<16	<16
4a paint on cap part red	<6	<6
5a paint on cap part black	<25	<25
6a paint on cap part dark blue	<8	<8
7a paint on cap part dark green	<5	<5
8a paint on cap part olive brown	<8	<8
9a paint pink	<5	6

sample	heavy metals in digested sample (total content) in mg/kg (ppm)	
	Cd cadmium	Pb lead
13a paint on cap part green	<12	<12
17a paint on cap part navy	<5	38
19 eyelet brass	<20	23
27 rivet cap antique copper	<20	34
limit values acc. to STANDARD 100 by OEKO-TEX® product class I - IV	40	90

sample	forbidden AZO-colorants cleavable arylamines of MAK-list III (category 1 or 2) in mg/kg (ppm)
composite sample 2a paint on cap part orange 3a paint on cap part yellow 4a paint on cap part red	n.d.
composite sample 5a paint on cap part black 6a paint on cap part dark blue 7a paint on cap part dark green	n.d.
composite sample 8a paint on cap part olive brown 9a paint pink 13a paint on cap part green	n.d.
composite sample 14a paint on cap part blue 15a paint brown 17a paint on cap part navy	n.d.
limit value acc. to STANDARD 100 by OEKO-TEX®	product class I - IV n.d.

sample	colour fastness						to dry rubbing ¹
	to water		to perspiration				
			alkaline		acid		
7	painted rivet cap dark green, brass		PES 5	CO 4-5	PES 4	CO 3-4	
13	PES 5	CO 5					
14	PES 5	CO 5					
17	PES 5	CO 5					
limit values acc. to STANDARD 100 by OEKO-TEX®							
product class I - IV		3	3-4		3-4		4 (3²)

Notes:

¹ No requirements for "wash-out" articles.

² For pigment, vat or sulphurous colorants a minimum grade of colour fastness to rubbing of 3 is acceptable.

Evaluation of colour fastness (in accordance with the fastness scale prescribed under ISO 105):

5 = best result, 1 = worst result

CO = cotton, WO = wool, CV = viscose, SE = silk, PES = polyester, PA = polyamide,

PAN = polyacrylonitrile (acrylic), CA = acetate

sample	colour fastness to saliva and perspiration
2	painted rivet cap orange, brass fast
3	painted rivet cap yellow, brass fast
4	painted rivet cap red, brass fast
5	painted rivet cap black, brass fast
6	painted rivet cap dark blue, brass fast
7	painted rivet cap dark green, brass fast

sample	colour fastness to saliva and perspiration
8 painted rivet cap olive brown, brass	fast
13 painted rivet cap green, brass	fast
limit value acc. to STANDARD 100 by OEKO-TEX®	product class I fast

CONCLUSION

The material for which the certification was applied fulfils the specific requirements for product class I of STANDARD 100 by OEKO-TEX® Appendix 4.

The certification of the following article group is approved:

Metal accessories (snap fastener, jeans buttons, eyelets and rivets) made of brass, electroplated and painted as well as plastic snap button, white and dyed; produced by using materials certified according to STANDARD 100 by OEKO-TEX®.

Each holder of certificate has signed for the quality of his articles on his own responsibility. This is in accordance with the given declaration of conformity. He is committed to ensure this by suitable and sufficient spot checks. This commitment includes the quality of bought materials, too. In the case of delegating parts of this quality assurance to others the certifying body must be fully acquainted (see point 4 "Conformity declaration").

Oeko-Tex® is authorized to carry out spot checks in order to inspect the certified goods. The certificate holder will receive a separate test report with the results of these inspections.

If the spot checks reveal a deviation from the limit values, additional tests will have to be carried out. The relevant costs will be charged to the certificate holder.

The applicant is responsible for checking the validity of the certificates issued to his suppliers.

If the term of validity of these certificates expires within the term of validity of the applicant's certificate, he is obliged to request updated or extended certificates from his suppliers.

Copies of updated certificates from suppliers should be presented as proof and for documentation purposes under the test number of the applicant's certificate.

The actual version of STANDARD 100 by OEKO-TEX® is edition 03/2017. It can be downloaded directly from the Oeko-Tex® Homepage (<http://www.oeko-tex.com>).

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