



## REGISTERED

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## TEST REPORT NO. SH001 142528.1

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Test material: 1 brass & 1 zinc alloy button, electroplated

### SUBJECT OF ANALYSIS

According to your order dated 14.06.2018 analysis should be carried out on the samples received on 26.06.2018. This order and the tests carried out are related to the application for renewal of your certificate SH001 125786 according to STANDARD 100 by OEKO-TEX®, product class II (articles with direct contact to skin), Appendix 4.

### RESULTS OF ANALYSIS

The results of the analysis we have carried out are summarized in the following tables.

### SUMMARY

According to the results of the analyses the tested parameters meet all requirements of STANDARD 100 by OEKO-TEX®, product class II, Appendix 4. Also the regulations on harmful substances under the European REACH legislation, including the textile-relevant candidates for SVHC (Substances of Very High Concern) as per 27.06.2018 are considered. Therefore your OEKO-TEX® certificate SH001 125786 can be issued. It is valid until 30.06.2019 and can then be renewed. Please find the said certificate in the required languages Chinese and English enclosed with this test report.

In addition, we refer to the declaration of conformity, point 2, quality assurance, and ask you to ensure and verify that your products from different processing or dyeing batches (in case applicable) are randomly checked for compliance with the STANDARD 100 by OEKO-TEX®. Tests can be carried out at your facility or at TESTEX and have to be documented. On request documentation has to be shown to TESTEX.

Swiss Textile Testing Institute  
TESTEX AG

  
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Enclosures mentioned

cc: TESTEX Shanghai

Die Ergebnisse beziehen sich nur auf die Prüfmuster. Die auszugsweise Vervielfältigung unserer Berichte ist nur mit schriftlicher Genehmigung der TESTEX AG gestattet.  
The test results only relate to the test samples. Partial reproduction of our reports are only allowed with written approval of TESTEX AG



RE 142528.1



proven since 1846

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OVERVIEW

Please refer to overview table and table of result for failed samples.

p: tested and passed; X: tested and failed; d: done; ': not tested

	Sample No.									
	1	2								
Heavy Metals OEKO-TEX® Method 3.1 (Extract; inorganic accessories))	p	p								
Heavy Metals OEKO-TEX® Method 3.1 (incl. EN 12472)	p	p								
Heavy Metals OEKO-TEX® Method 3.2 (Digestion)	p	p								

No. 1: Zinc alloy button electroplated silver

No. 2: Brass press button electroplated bronze

1

2



## TABLE OF RESULTS

			#1 Zinc alloy button electroplate d silver	#2 Brass press button electroplate d bronze
Heavy Metals OEKO-TEX® Method 3.1 (Extract; inorganic accessories)) [OTC II Product Class II - Testing Items Appendix 4]		STANDARD 100 Product Class II Appendix 4		
No. of tests			1	1
• Antimony	[mg/kg]	<30	<0.02	<0.02
• Arsenic	[mg/kg]	<1.0	<0.02	0.04
• Lead	[mg/kg]	<1.0	<0.02	<0.02
• Cadmium	[mg/kg]	<0.10	<0.02	<0.02
• Chromium total	[mg/kg]	<2.0	<0.02	<0.02
• Cobalt	[mg/kg]	<4.0	<0.02	<0.02
• Copper	[mg/kg]		1.3	440
• Nickel	[mg/kg]	<1.0	<0.10	<0.10
• Mercury	[mg/kg]	<0.02	<0.01	<0.01
• Selenium	[mg/kg]		<0.10	<0.10
• Zinc	[mg/kg]		7.2	190
• Manganese	[mg/kg]		<0.40	<0.40

			#1 Zinc alloy button electroplate d silver	#2 Brass press button electroplate d bronze
Heavy Metals OEKO-TEX® Method 3.1 (incl. EN 12472) [OTC II Product Class II - Testing Items Appendix 4]		STANDARD 100 Product Class II Appendix 4		
No. of tests			1	1
• Nickel	[mg/kg]	<1.0	<0.10	0.10

			#1 Zinc alloy button electroplate d silver	#2 Brass press button electroplate d bronze
Heavy Metals OEKO-TEX® Method 3.2 (Digestion) [OTC II Product Class II - Testing Items Appendix 4]		STANDARD 100 Product Class II Appendix 4		
No. of tests			1	1
• Lead	[mg/kg]	<90	<0.20	<0.20
• Cadmium	[mg/kg]	<40	<0.20	<0.20
• Antimony	[mg/kg]		<0.20	<0.20