

Test Report

No. IDSL110435

Date : Oct 27, 2016

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PT. WAHANA KREASI HASIL KENCANA
Jl. Iskandar Muda No. 83
Sewan, Rawa Kucing, Tangerang, 15129

The following samples were submitted and identified by client as:
For the sample descriptions in details, please refer to the component list on the next page.

Hidden Spring Snap Button. 15/14m

Buyer	:	S.Oliver Asia Ltd C/O PT. S.O.T. Indo-Sourcing
Sample Description	:	Hidden Spring Snap Button. 15/14m
Reference No	:	/
Color	:	Black Doff/ Black Dull
Material composition	:	/
End use	:	/
Product class	:	/
Size	:	/
Special finish	:	/
Order No.	:	/
Style No	:	#TRBT1000419
Article No.	:	03.899.74.2546
Manufacturer	:	PT. SANDANG ASIA
Fabric Mill	:	/
Country Of Origin	:	Indonesia
Country Of Destination	:	/
Applicant's Proposed Care Instructions	:	/
Date Of Arrival Of Sample	:	Oct 11 , 2016
Turn Around Time	:	Oct 11 – Oct 27, 2016
Date Of Issue	:	Oct 27, 2016

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Test Results : Please refer to the next page(s).

Conclusion	:	Tested Sample			
		A	B	C	D
(I) Eco Tests					
	Total Lead Content	PASS	PASS	PASS	PASS
	Nickel Release	PASS	PASS	PASS	PASS
	Nickel Screening Test	See Result	See Result	See Result	See Result

Remarks : PASS = Meets S.Oliver requirement
FAIL = Below S.Oliver requirement
INCONCLUSIVE = Pass/Fail cannot be given

Note: Conclusions are based on the test result from the actual sampling of the received sample(s).

The composite sampling method is based on the client's special request and is a modification from the testing standard.

Signed for and on behalf of
PT. SGS Indonesia



Ellya Santhy
Assistant Manager Softlines & Hardgoods

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Component List / List of Materials

Sample No.	Material No.	Component	Material	Color	Fiber Type *	Remark
A	1	Coated metal top snap button	Metal	Black	N/A	
B	2	Coated metal bottom snap cap	Metal	Black	N/A	
C	3	Coated metal bottom snap button	Metal	Black	N/A	
D	4	Coated metal stuid of snap button	Metal	Black	N/A	

* This fiber type identification is for the selection of azo dye testing procedure (i.e. EN 14362-1/3:2012).

Note:

Type A = Textile contains natural fibers only and/or regenerated fibers exclude the group of acetate.

Type B = Textile contains polyester fibers only

Type C = Textile contains man-made fibers and/or man-made blended fibers (except polyester fibers)

N/A = Not applicable

Photo of Submitted Sample



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(I) Eco Test Results:

Test Parameter	Tested Sample No.	Test Result			S. Oliver Requirement
Total Lead Content Pre-Treatment: Acid digestion Test-Method:ICP-OES / ICP-MS Detection limit = 5 mg/kg	1	12 mg/kg			Babies / Children’s metal, Adults < 90 mg/kg
	2	14 mg/kg			
	3	16 mg/kg			
	4	11 mg/kg			
Nickel Release (Refer to Annex I) Pre-Treatment: DIN EN 12472:2005+A1:2009 Test-Method: DIN EN 1811: 2015	1				< 0.5 µg/cm ² /week
Parameter		<u>Sample Area</u>	<u>Volume of Test Solution</u>	<u>Nickel Release</u>	
Unit		cm ²	ml	µg/cm ² /week	
1 st Trial – Measurement 1		11.1	25	ND	
1 st Trial – Measurement 2				ND	
2 nd Trial – Measurement 1		11.1	25	ND	
2 nd Trial – Measurement 2				ND	
3 rd Trial – Measurement 1		12.4	25	ND	
3 rd Trial – Measurement 2				ND	
Conclusion		PASS			

Note: < = Less than
 mg/kg = ppm
 N.D. = Not detectable

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(I) Eco Test Results:

Test Parameter	Tested Sample No.	Test Result			S. Oliver Requirement
Nickel Release (Refer to Annex I) Pre-Treatment: DIN EN 12472:2005+A1:2009 Test-Method: DIN EN 1811: 2015	2				< 0.5 µg/cm ² /week
Parameter		<u>Sample Area</u>	<u>Volume of Test Solution</u>	<u>Nickel Release</u>	
Unit		cm ²	ml	µg/cm ² / week	
1 st Trial – Measurement 1		6.20	10	ND	
1 st Trial – Measurement 2				ND	
2 nd Trial – Measurement 1		6.15	10	ND	
2 nd Trial – Measurement 2				ND	
3 rd Trial – Measurement 1		6.20	10	ND	
3 rd Trial – Measurement 2				ND	
Conclusion		PASS			
Nickel Release (Refer to Annex I) Pre-Treatment: DIN EN 12472:2005+A1:2009 Test-Method: DIN EN 1811: 2015		3			
Parameter	<u>Sample Area</u>		<u>Volume of Test Solution</u>	<u>Nickel Release</u>	
Unit	cm ²		ml	µg/cm ² / week	
1 st Trial – Measurement 1	3.08		10	ND	
1 st Trial – Measurement 2				ND	
2 nd Trial – Measurement 1	3.10		20	ND	
2 nd Trial – Measurement 2				ND	
3 rd Trial – Measurement 1	2.97		10	ND	
3 rd Trial – Measurement 2				ND	
Conclusion	PASS				

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(I) Eco Test Results:

Test Parameter	Tested Sample No.	Test Result			S. Oliver Requirement
Nickel Release (Refer to Annex I) Pre-Treatment: DIN EN 12472:2005+A1:2009 Test-Method: DIN EN 1811: 2015	4				< 0.5 µg/cm ² /week
Parameter		<u>Sample Area</u>	<u>Volume of Test Solution</u>	<u>Nickel Release</u>	
Unit		cm ²	ml	µg/cm ² /week	
1 st Trial – Measurement 1		3.38	5	ND	
1 st Trial – Measurement 2				ND	
2 nd Trial – Measurement 1		3.37	5	ND	
2 nd Trial – Measurement 2				ND	
3 rd Trial – Measurement 1		3.74	5	ND	
3 rd Trial – Measurement 2				ND	
Conclusion		PASS			

Note: < = Less than
mg/kg = ppm
N.D. = Not detectable

Annex I: Comments are given according to Annex A of EN 1811:2011+A1:2015.

Type of sample	Nickel Release (µg/cm ² /week)	
	PASS	FAIL
Article with Nickel release limit of 0.5 µg/cm ² /week	< 0.88	≥ 0.88
Article with Nickel release limit of 0.2 µg/cm ² /week	< 0.35	≥ 0.35

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Screening tests for Nickel Release (Spot test)

Test method: With reference to the PD CR 12471: 2002

Test Item	<u>Result</u>			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
Screening tests for nickel release	Negative	Negative	Negative	Negative

Remark :

Negative = Indicates the absence of nickel release based on the visual observation of colour change.
Positive = Indicates the presence of nickel release based on the visual observation of colour change.

*** End of Report ***

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