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Suzhou Guanjie Nano Anti-Bacterial Coating
Technology Co., Ltd.
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Textile Testing

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Client number	Person for queries	Our reference	Date
-	Yim, Jade	20170622-012 Regular Service	6/29/2017

REPORT No. 17.0.14914

Client:	Suzhou Guanjie Nano Anti-Bacterial Coating Technology Co., Ltd.
Contact person:	Ms Zhu Phone: +86 13913599429 Fax: +86 0512 65933382
Receipt of material / sample:	6/22/2017
Test material / specimen:	Nonwoven fabric in 1 style
Test period:	6/22/2017 to 6/28/2017
Aim of test(s):	Determination of extractable heavy metals according to STANDARD 100 by OEKO-TEX®

The report comprises 4 pages.

Our General Conditions apply
www.hohenstein.de/pdf/agb.pdf

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The following material was submitted for the tests:

Sample		Material composition according to information	Note
1	Nonwoven fabric Light grey		



RESULT**Determination of extractable heavy metals according to STANDARD 100 by OEKO-TEX®^A**

The extraction was carried out using artificial acidic sweat solution, the quantitative determination of the extracted heavy metal parts was done by means of ICP-MS or AAS.

The following heavy metals were included in the test:

Abbreviation	Substance	Abbreviation	Substance
Sb	= antimony	Co	= cobalt
As	= arsenic	Cu	= copper
Pb	= lead	Ni	= nickel
Cd	= cadmium	Hg	= mercury
Cr	= chromium, in totality		

Test result:

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
1 Nonwoven fabric Light grey	< 4	< 0,1	< 0,1	< 0,05	< 0,1	< 0,1	< 4	< 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

CONCLUSION

The material passes all tested requirements

Managing Director



Dr. Christopher Au



Operations Manager



Helen Chu

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