

5. April 2016

SIAM/vma/Ho/mre

Test Report No. 16.0.79269

(=16.HUS.79269 ZN)

Applicant	: Swift Spinning, Inc. 16 Corporate Ridge Parkway Columbus - 31907, GA UNITED STATES
Date of order	: 02/05/2016
Reference no. or contact person	: Mr W. Scott Gunn Tel: +17 065 6899 29 Email: scgunn@swiftspinning.com
Receipt of order	: 02/09/2016
Receipt of material	: 02/09/2016
Receipt of further information	: 03/18/2016 Receipt of purchase order no. 94320
Details of order	: Certification of textile products with the label "Confidence in textiles – Tested for harmful substances according to Oeko-Tex® Standard 100"

Der Prüfbericht umfasst 6 Seiten. / The test report comprises 6 pages.

Die Akkreditierung gilt für die in der Urkunde aufgeführten Prüfverfahren - im Bericht mit * gekennzeichnet.
The accreditation applies for the test methods listed in the certificate - marked * in the report.



DAkkS
Deutsche
Akkreditierungsstelle
D-PL-14277-01

DAkkS
Deutsche
Akkreditierungsstelle
D-IS-14277-01

EDFA
EUROPEAN
DOWN & FEATHER
ASSOCIATION



Consumer
Product Safety
Commission
(CPS)
Identifikations-
nummer 1060
Identification
number 1060



Gründungsmitglied der
Internationalen Gemeinschaft für
Forschung und Prüfung auf dem
Gebiet Textilökologie (OEKO-TEX®
Standard 100)

Our terms of business shall apply:
www.hohenstein.de/pdf/agb_e.pdf

Phone
+49 7143 271 0
Fax +49 7143 271 51
info@hohenstein.de
www.hohenstein.de

VAT REG No.
DE262079343

Hohenstein Textile Testing Institute GmbH & Co. KG • Court of Registration County Stuttgart HRA 723464 •
personally liable associate: Hohenstein Verwaltungs GmbH HRB 752904 •
company headquarter is Boennigheim • Managing Director: Dr. Stefan Droste

5. April 2016

The application for certification was submitted using the relevant forms issued for this purpose.

The applicant enclosed the declaration of conformity.

The originals of all necessary documents have been signed with a legally binding signature.

The orderer confirmed that no biological active product is used.

Further the orderer confirmed that no flame retardant product is used.

The application was made for the following article group:

Carded and combed ring spun yarn made of 100 % cotton (provenience America).

The four product categories specified in Oeko-Tex® Standard 100 are described as follows:

Product-class	Definition
I	Products for babies Products for babies in context with this standard are all articles, basic materials and accessories, which are provided for the production of articles for babies and children up to 36 months with the exception of leather clothing.
II	Products with direct contact to skin Skin contact articles are those which are worn with a large part of their surface in direct contact with the skin (e.g. blouses, shirts, underwear etc.).
III	Products without direct contact to skin No skin contact articles are those which are worn with only a little part of their surface in direct contact with the skin (e.g. Stuffings, linings etc.).
IV	Decoration material Decoration material in context with this standard are all articles including initial products and accessories which are used for decoration such as table clothes, wall coverings, furnishing fabrics and curtains, upholstery fabrics and floor coverings.

According to the information provided by the orderer and to the specified area of use, product class I is applicable.

The test material named below was submitted for testing.

Serial No.	Description of article or material	Additional information					Material composition
		Quality	Provenience	Colour No.	Design	Colour	
1	ring spun yarn	carded, waxed	America			raw white	CO

5. April 2016

Serial No.	Description of article or material	Additional information					Material composition
		Quality	Provenience	Colour No.	Design	Colour	
2	ring spun yarn	combed, waxed	America			raw white	CO

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 Oeko-Tex® Standard 100.

The test results are given in the charts below.

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

sample	pH			
1 ring spun yarn raw white	7,4			
limit values acc. to Oeko-Tex® Standard 100	product class I 4,0 – 7,5	product class II 4,0 – 7,5	product class III 4,0 – 9,0	product class IV 4,0 – 9,0

sample	formaldehyde in mg/kg (ppm)			
2 ring spun yarn raw white	n.d.			
limit values acc. to Oeko-Tex® Standard 100	product class I n.d.	product class II 75	product class III 300	product class IV 300

Note:

According to Japanese Law 112 "n.d." corresponds with an absorption unit < 0,05 respectively < 16 ppm.

5. April 2016

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 ring spun yarn raw white	< 4	< 0,1	< 0,1	< 0,05	< 0,1	< 0,1	< 4	0,17	< 0,01
limit values acc. to Oeko-Tex® Standard 100									
product class I	30	0,2	0,2	0,1	1,0	1,0	25,0 ³	1,0 ⁴	0,02
product class II	30	1,0	1,0 ¹	0,1	2,0	4,0	50,0 ³	4,0 ⁵	0,02
product class III	30	1,0	1,0 ¹	0,1	2,0	4,0	50,0 ³	4,0 ⁵	0,02
product class IV	--	1,0	1,0 ¹	0,1	2,0 ²	4,0	50,0 ³	4,0 ⁵	0,02

Notes:

A Test after mechanical ageing (EN 12472)

¹ No requirement for accessories made from glass

² For leather articles 10 mg/kg

³ No requirement for accessories made from inorganic materials

⁴ For metallic accessories and metallized surfaces: 0,5 mg/kg

⁵ 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
1 ring spun yarn raw white	<5	<5
2 ring spun yarn raw white	<5	<5
limit values acc. to Oeko-Tex® Standard 100		
product class I - IV	40	90

sample	pesticides sum in mg/kg (ppm)			
	2 ring spun yarn raw white	sum 0,21 DEF 0,21		
limit values acc. to Oeko-Tex® Standard 100	product class I sum 0,5	product class II sum 1,0	product class III sum 1,0	product class IV sum 1,0

5. April 2016

sample	phenols in mg/kg (ppm)			
	pentachlorophenol (PCP)	tetrachlorophenols (TeCP)	trichlorophenols (TrCP)	o-phenylphenol (OPP)
1 ring spun yarn raw white	n.d.	n.d.	n.d.	n.d.
limit values acc. to Oeko-Tex® Standard 100				
product class I	0,05	sum isomers 0,05	sum isomers 0,2	50
product class II - IV	0,50	sum isomers 0,50	sum isomers 2,0	100

sample	organo tin compounds in mg/kg (ppm)			
	TBT	TPhT	DBT	DOT
composite sample	n.d.	n.d.	n.d.	n.d.
1 ring spun yarn raw white				
2 ring spun yarn raw white				
limit values acc. to Oeko-Tex® Standard 100				
product class I	0,5	0,5	1,0	1,0
product class II - IV	1,0	1,0	2,0	2,0

sample	polycyclic aromatic hydrocarbons (PAH) in mg/kg (ppm)	
	product class I	product class II-IV
composite sample	n.d.	
1 ring spun yarn raw white		
2 ring spun yarn raw white		
limit values acc. to Oeko-Tex® Standard 100		
Benzo[a]pyrene	0,5	1,0
Benzo[e]pyrene	0,5	1,0
Benzo[a]anthracene	0,5	1,0
Chrysene	0,5	1,0
Benzo[b]fluoranthene	0,5	1,0
Benzo[j]fluoranthene	0,5	1,0
Benzo[k]fluoranthene	0,5	1,0
Dibenzo[a,h]anthracene	0,5	1,0
and sum of all 24 PAH:	5,0	10,0

sample	odour test
1 - 2	n.d.
limit value acc. to Oeko-Tex® Standard 100	product class I-IV no abnormal odour

5. April 2016

Conclusion

The material for which the certification was applied fulfils the specific requirements for product class I of Oeko-Tex® Standard 100.

It is representative of the article group for which an application for certification was made.

The certification of the following article group is approved:

Carded and combed ring spun yarn made of 100 % cotton (provenience America).

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 actual version of Oeko-Tex® Standard 100 is edition 01/2016. It can be downloaded directly from the Oeko-Tex® Homepage (<http://www.oeko-tex.com>).

Managing Director



Dr. Stefan Droste



Head of Department Oeko-Tex®



Dipl.-Ing. (FH) Elisabeth Weisheit

(This document carries an electronic signature. The electronic signatures in this report are equal to a personal signature and therefore legally binding)

The test results relate only to the test samples submitted. This test report must only be reproduced in full and not in extract form. Use of the test report in advertising or the publication of free interpretations of the test results is only allowed with the express permission of the certification body. Remaining test material will usually be destroyed after 3 months. Our terms of business shall apply, www.hohenstein.de/pdf/agb_e.pdf