

FAIR DEAL MILLS (PVT) LTD.  
19 K.M Sheikhpua Road, Lathian Wala  
Faisalabad - 38000, Punjab  
PAKISTAN

## Hohenstein Textile Testing Institute GmbH & Co. KG

Schlosssteige 1  
74357 Bönnigheim • Germany

### Certification Body Oeko-Tex®

Phone +49 7143 271 860  
Fax +49 7143 271 8774  
T.Tuncer@hohenstein.de

Contact person  
Tugba Tuncer

Our ref.  
TTU/hy /HLI

Date  
22. March 2018

---

## Report No. 18.0.31946

(= 18.HPK.31946 ZN)

---

**Applicant:** FAIR DEAL MILLS (PVT) LTD.  
19 K.M Sheikhpua Road, Lathian Wala  
Faisalabad - 38000, Punjab  
PAKISTAN

**Date of order:** 11/11/2017

**Contact person:** Mr M. Ashfaq  
Tel: +92 4124 23713  
Email: compliance@fairdeal.pk

**Receipt of order:** 1/17/2018

**Receipt of material:** 1/17/2018

**Receipt of further information:** 2/7/2018 Valid supplier certificate 2015OK1069  
2/13/2018 Confirmation of the revised scope  
3/13/2018 Payment in advance

**Details of order:** Certification of textile products with the label "OEKO-TEX® Confidence In Textiles – STANDARD 100 – Tested for harmful substances Appendix 4"

*The report comprises 6 pages.*

---

Our terms of business shall apply:  
[www.hohenstein.de/pdf/agb\\_e.pdf](http://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 · County Court Stuttgart HRA 723464  
Personally liable associate: Hohenstein Verwaltungs GmbH · County Court Stuttgart HRB 752904  
CEO: Dr. Stefan Droste · Company Headquarter is Bönnigheim

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 copy of Oeko-Tex® certificate (2015OK1069) for the products in use was enclosed with the application.

The certificate was valid at the date of application for certification.

The application was made for the following article group:

Woven fabric made of 100 % cotton and polyester/cotton, greige, bleached, reactive, disperse and pigment dyed as well as reactive, disperse and pigment printed; produced by using materials certified according to STANDARD 100 by OEKO-TEX®.

The four product categories specified in STANDARD 100 by OEKO-TEX® are described as follows:

Product-class	Definition
I	<b>Products for babies</b> 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.
II	<b>Products with direct contact to skin</b> 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	<b>Products without direct contact to skin</b> 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	<b>Decoration material</b> 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	Article No.	Colour No.	Design	Colour	
1	yarn	raw				raw white	CO
2	yarn	raw				raw white	PES/CO
3	woven fabric	raw				raw white	CO
4	woven fabric	raw				raw white	PES/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 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	pH			
1 yarn raw white	6,8			
2 yarn raw white	6,5			
<b>limit values acc. to STANDARD 100 by OEKO-TEX®</b>	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)			
3 woven fabric raw white	n.d.			
4 woven fabric raw white	n.d.			
<b>limit values acc. to STANDARD 100 by OEKO-TEX®</b>	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.

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
4 woven fabric raw white	< 4	< 0,1	< 0,1	< 0,05	< 0,1	< 0,1	< 4	0,1	< 0,01
<b>limit values acc. to STANDARD 100 by OEKO-TEX® Appendix 4</b>									
product class I	30	0,2	0,2	0,1	1,0	1,0	25,0 <sup>2</sup>	1,0 <sup>3</sup>	0,02
product class II	30	1,0	1,0 <sup>1</sup>	0,1	2,0	4,0	50,0 <sup>2</sup>	4,0 <sup>4</sup>	0,02
product class III	30	1,0	1,0 <sup>1</sup>	0,1	2,0	4,0	50,0 <sup>2</sup>	4,0 <sup>4</sup>	0,02
product class IV	--	1,0	1,0 <sup>1</sup>	0,1	2,0	4,0	50,0 <sup>2</sup>	4,0 <sup>4</sup>	0,02

Notes:

A Test after mechanical ageing (EN 12472)

<sup>1</sup> No requirement for accessories made from glass

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

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

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

sample	pesticides sum in mg/kg (ppm)			
1 yarn raw white	n.d.			
<b>limit values acc. to STANDARD 100 by OEKO-TEX®</b>	product class I sum 0,5	product class II sum 1,0	product class III sum 1,0	product class IV sum 1,0

sample	phenols in mg/kg (ppm)		
2 yarn raw white	n.d.		
<b>limit values acc. to STANDARD 100 by OEKO-TEX® Appendix 4</b>	<b>product class I</b>	<b>product class II-IV</b>	
	Pentachlorophenol (PCP)	0,05	0,50
	Tetrachlorophenols (TeCP)	0,05 <sup>1</sup>	0,50 <sup>1</sup>
	Trichlorophenols (TrCP)	0,2 <sup>1</sup>	2,0 <sup>1</sup>
	Dichlorophenols (DCP)	0,5 <sup>1</sup>	3,0 <sup>1</sup>
	Monochlorophenols (MCP)	0,5 <sup>1</sup>	3,0 <sup>1</sup>
	o-Phenylphenol (OPP)	50	100

Notes:

<sup>1</sup> sum of isomers

sample	organo tin compounds in mg/kg (ppm)	
composite sample 3 woven fabric raw white 4 woven fabric raw white	n.d.	
limit values acc. to STANDARD 100 by OEKO-TEX® Appendix 4	product class I 0,5 <sup>1</sup> or 1,0 <sup>1</sup>	product class II - IV 1,0 <sup>1</sup> or 2,0 <sup>1</sup>

Notes:

<sup>1</sup>Compilation of the individual substances are listed in STANDARD 100 by OEKO-TEX® Appendix 4

sample	polycyclic aromatic hydrocarbons (PAH) in mg/kg (ppm)		
2 yarn raw white	n.d.		
limit values acc. to STANDARD 100 by OEKO-TEX® Appendix 4		product class I	product class II-IV
	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
	<u>and</u>		
	sum of all 24 PAH:	5,0	10,0

sample	Nonylphenol, Octylphenol and specific Alkylphenoethoxylates in mg/kg (ppm)	
	NP / OP	NP / OP / NP (EO) / OP (EO)
4 woven fabric raw white	n.d.	n.d.
limit values acc. to STANDARD 100 by OEKO-TEX® Appendix 4 product class I - IV	sum <10,0	sum <100,0

sample	odour test
1 - 4	n.d.
limit value acc. to STANDARD 100 by OEKO-TEX®	product class I-IV no abnormal odour

---

## 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:

Woven fabric made of 100 % cotton and polyester/cotton, greige, bleached, reactive, disperse and pigment dyed as well as reactive, disperse and pigment printed; 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 01/2018. It can be downloaded directly from the Oeko-Tex® Homepage (<http://www.oeko-tex.com>).

Head of Department Oeko-Tex®



Dipl.-Ing. (FH) Elisabeth Panian



Assistant Head of Department Oeko-Tex®



Dipl.-Ing. (FH) Ivonne Schramm

(This document carries an electronic signature for demonstrating the authenticity of the document.)

The results relate only to the samples submitted. This report must only be reproduced in full and not in extract form. Use of the report in advertising or the publication of free interpretations of the results is only allowed with the express permission of the Hohenstein Institute. Only the authorized report is legally binding. Documents and materials delivered by the client will be retained for 3 months, provided their condition allows it. A storage period of 10 years applies to the legally regulated area.