

Rahman Jute Spinners (Pvt) Ltd.
Jagir, Mahendra
Poba
Rajshahi - 6203
Bangladesh

Report no. 23.0001612

from 22/03/2023

Order Date 18/02/2023
Period of Testing 18/02/2023 - 21/03/2023

Customer Reference

Certificate Number 23.HBD.75535

Aim of Test STANDARD 100 by OEKO-TEX® Annex 6 product class I Edition 01.2022
Testing Material Raw yarn made of Jute
Sampling The test object was sent to Hohenstein by the client.

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Report Approval This document has been created digitally and is valid without a signature. It has been approved by
Maria-Eleni Tsertsene
(Produktspezialist/-in / Product Specialist OEKO-TEX®)



Summary

Passed



Please refer to the test overview for details.

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Testing Material

1 Yarn

Finishing	Undyed
Colour	Raw white
Material composition	JU

Test Overview

1 Yarn		
pH-Value	page 5	✓
Formaldehyde	page 6	✓
Extractable (heavy) metals	page 7	✓
Pesticides	page 8	✓
Chlorinated phenols	page 11	✓
Organic tin compounds	page 12	✓
Surfactant, wetting agent residues, alkyl phenols	page 13	✓
Odour	page 14	✓

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List of abbreviations

n.d. = not detectable

LOQ = Limit of quantitation

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Detail Results

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Detail Results

pH-Value

The following results were evaluated against the limit values (LV): STANDARD 100 by OEKO-TEX® Annex 6 product class I, 01.2022

	1	LV
pH-value	4.3	≥ 4.0 ≤ 7.5

Additional details for this test

Parameter hints:

Testing method according to STANDARD 100 by OEKO-TEX®

Formaldehyde

The following results were evaluated against the limit values (LV): STANDARD 100 by OEKO-TEX® Annex 6 product class I, 01.2022

	1 [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
Formaldehyde	n.d.	< 10	< 16

Additional details for this test

Parameter hints:

Testing method according to STANDARD 100 by OEKO-TEX®

Result value details:

Formaldehyde

n.d. corresponds according to "Japanese Law 112" test method with an absorbance unit less than 0.05 resp. 16 mg/kg.

Extractable (heavy) metals

The following results were evaluated against the limit values (LV): STANDARD 100 by OEKO-TEX® Annex 6 product class I, 01.2022

	1 [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
Antimony	n.d.	< 4	< 30
Arsenic	0.15	< 0.05	< 0.20
Lead	n.d.	< 0.05	< 0.20
Cadmium	n.d.	< 0.05	< 0.10
Chromium	n.d.	< 0.1	< 1.0
Cobalt	n.d.	< 0.1	< 1.0
Copper	n.d.	< 4	< 25
Nickel	n.d.	< 0.10	< 1.00
Mercury	n.d.	< 0.010	< 0.020
Barium	4	< 4	< 1000
Selenium	n.d.	< 4	< 100
Zinc	n.d.	< 4	< 750
Manganese	5	< 4	< 90

Additional details for this test

Parameter hints:

Testing method according to STANDARD 100 by OEKO-TEX®

Result value details:

Copper

No requirement for accessories and yarns made from inorganic materials, respecting the requirements regarding biological active products.

Pesticides

The following results were evaluated against the limit values (LV): STANDARD 100 by OEKO-TEX® Annex 6 product class I, 01.2022

	1 [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
2,4,5-T	n.d.	< 0.05	-
2,4-D	n.d.	< 0.05	-
Acetamiprid	n.d.	< 0.05	-
Aldicarb	n.d.	< 0.05	-
Aldrin	n.d.	< 0.05	-
Azinophosethyl	n.d.	< 0.05	-
Azinophosmethyl	n.d.	< 0.05	-
Bromophos-ethyl	n.d.	< 0.05	-
Captafol	n.d.	< 0.05	-
Carbaryl	n.d.	< 0.05	-
Chlorbenzilate	n.d.	< 0.05	-
Chlordane	n.d.	< 0.05	-
Chlordimeform	n.d.	< 0.05	-
Chlorfenvinphos	n.d.	< 0.05	-
Clothianidin	n.d.	< 0.05	-
Coumaphos	n.d.	< 0.05	-
Cyfluthrin	n.d.	< 0.05	-
Cyhalothrin	n.d.	< 0.05	-
Cypermethrin	n.d.	< 0.05	-
Tribufos (DEF)	n.d.	< 0.05	-
Deltamethrin	n.d.	< 0.05	-
o,p'-DDD	n.d.	< 0.05	-
p,p'-DDD	n.d.	< 0.05	-
o,p'-DDE	n.d.	< 0.05	-
p,p'-DDE	n.d.	< 0.05	-
o,p'-DDT	n.d.	< 0.05	-
p,p'-DDT	n.d.	< 0.05	-
Diazinon	n.d.	< 0.05	-

	1 [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
Dichlorprop	n.d.	< 0.05	-
Dicrotophos	n.d.	< 0.05	-
Dieldrine	n.d.	< 0.05	-
Dimethoate	n.d.	< 0.05	-
Dinoseb, its salts and acetate	n.d.	< 0.05	-
Dinotefuran	n.d.	< 0.05	-
Endosulfan, α -	n.d.	< 0.05	-
Endosulfan, β -	n.d.	< 0.05	-
Endrine	n.d.	< 0.05	-
Esfenvalerate / Fenvalerate	n.d.	< 0.05	-
Heptachlor	n.d.	< 0.05	-
cis-Heptachloroepoxide	n.d.	< 0.05	-
trans-Heptachloroepoxide	n.d.	< 0.05	-
Hexachlorobenzene	n.d.	< 0.05	-
Hexachlorocyclohexane, α - (α -HCH)	n.d.	< 0.05	-
Hexachlorocyclohexane, β - (β -HCH)	n.d.	< 0.05	-
Hexachlorocyclohexane, δ - (δ -HCH)	n.d.	< 0.05	-
Imidacloprid	n.d.	< 0.05	-
Isodrine	n.d.	< 0.05	-
Kepone	n.d.	< 0.05	-
Lindan (γ -HCH)	n.d.	< 0.05	-
Malathion	n.d.	< 0.05	-
MCPA	n.d.	< 0.05	-
MCPB	n.d.	< 0.05	-
Mecoprop	n.d.	< 0.05	-
Methamidophos	n.d.	< 0.05	-
Methoxychlor	n.d.	< 0.05	-
Mirex	n.d.	< 0.05	-
Monocrotophos	n.d.	< 0.05	-
Nitenpyram	n.d.	< 0.05	-
Parathion-ethyl	n.d.	< 0.05	-

	1 [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
Parathion-methyl	n.d.	< 0.05	-
Perthane	n.d.	< 0.05	-
Mevinphos	n.d.	< 0.05	-
Phosphamidone	n.d.	< 0.05	-
Propethamphos	n.d.	< 0.05	-
Profenophos	n.d.	< 0.05	-
Quinalphos	n.d.	< 0.05	-
Telodrine	n.d.	< 0.05	-
Thiacloprid	n.d.	< 0.05	-
Thiamethoxam	n.d.	< 0.05	-
Trifluralin	n.d.	< 0.05	-
Sum pesticides	n.d.	-	< 0.50
Carbendazim	n.d.	< 0.05	-
Chlorothalonil	n.d.	< 0.05	-
Dichlorophene	n.d.	< 0.05	-
DTTB	n.d.	< 0.05	-
Silafluofen	n.d.	< 0.05	-
Tolyfluamide	n.d.	< 0.05	-

Additional details for this test

Parameter hints:

Testing method according to STANDARD 100 by OEKO-TEX®

Result value details:

Esfenvalerate / Fenvalerate

Esfenvalerate and Fenvalerate are not analytically separable, so that the determined value for both substances must be given combined.

Carbendazim

Carbendazim is under observation and the result is provided for information but presently not regulated indeed.

Chlorothalonil

Chlorothalonil is under observation and the result is provided for information but presently not regulated indeed.

Dichlorophene

Dichlorophene is under observation and the result is provided for information but presently not regulated indeed.

DTTB

DTTB is under observation and the result is provided for information but presently not regulated indeed.

Silafluofen

Silafluofen is under observation and the result is provided for information but presently not regulated indeed.

Tolyfluamide

Tolyfluamide is under observation and the result is provided for information but presently not regulated indeed.

Chlorinated phenols

The following results were evaluated against the limit values (LV): STANDARD 100 by OEKO-TEX® Annex 6 product class I, 01.2022

	1 [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
2-Chlorophenol	n.d.	< 0.01	-
3-Chlorophenol	n.d.	< 0.01	-
4-Chlorophenol	0.01	< 0.01	-
Sum Monochlorophenols (MCP)	0.01	-	< 0.50
2,3-Dichlorophenol	n.d.	< 0.01	-
2,4-/2,5-Dichlorophenol	n.d.	< 0.01	-
2,6-Dichlorophenol	n.d.	< 0.01	-
3,4-Dichlorophenol	n.d.	< 0.01	-
3,5-Dichlorophenol	n.d.	< 0.01	-
Sum Dichlorophenols (DCP)	n.d.	-	< 0.50
2,3,4-Trichlorophenol	n.d.	< 0.01	-
2,3,5-Trichlorophenol	n.d.	< 0.01	-
2,3,6-Trichlorophenol	n.d.	< 0.01	-
2,4,5-Trichlorophenol	n.d.	< 0.01	-
2,4,6-Trichlorophenol	n.d.	< 0.01	-
3,4,5-Trichlorophenol	n.d.	< 0.01	-
Sum Trichlorophenols (TrCP)	n.d.	-	< 0.20
2,3,5,6-Tetrachlorophenol	n.d.	< 0.01	-
2,3,4,6-Tetrachlorophenol	n.d.	< 0.01	-
2,3,4,5-Tetrachlorophenol	n.d.	< 0.01	-
Sum Tetrachlorophenols (TeCP)	n.d.	-	< 0.05
Pentachlorophenol (PCP)	n.d.	< 0.01	< 0.05
o-Phenylphenol (OPP)	n.d.	< 2.0	< 10.0

Additional details for this test

Parameter hints:

Testing method according to STANDARD 100 by OEKO-TEX®

Organic tin compounds

The following results were evaluated against the limit values (LV): STANDARD 100 by OEKO-TEX® Annex 6 product class I, 01.2022

	1 [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
Monomethyltin (MMT)	n.d.	< 0.05	< 0.50
Monobutyltin (MBT)	n.d.	< 0.05	< 0.50
Monooctyltin (MOT)	n.d.	< 0.05	< 0.50
Monophenyltin (MPhT)	n.d.	< 0.05	< 0.50
Dimethyltin (DMT)	n.d.	< 0.05	< 0.50
Dipropyltin (DPT)	n.d.	< 0.05	< 0.50
Dibutyltin (DBT)	n.d.	< 0.05	< 0.50
Dioctyltin (DOT)	n.d.	< 0.05	< 0.50
Diphenyltin (DPhT)	n.d.	< 0.05	< 0.50
Trimethyltin (TMT)	n.d.	< 0.05	< 0.50
Tributyltin (TBT)	n.d.	< 0.05	< 0.50
Trioctyltin (TOT)	n.d.	< 0.05	< 0.50
Triphenyltin (TPhT)	n.d.	< 0.05	< 0.50
Tripropyltin (TPT)	n.d.	< 0.05	< 0.50
Tricyclohexyltin (TCyHT)	n.d.	< 0.05	< 0.50
Tetraethyltin (TeET)	n.d.	< 0.05	< 0.50
Tetrabutyltin (TeBT)	n.d.	< 0.05	< 0.50
Tetraoctyltin (TeOT)	n.d.	< 0.05	< 0.50

Additional details for this test

Parameter hints:

Testing method according to STANDARD 100 by OEKO-TEX®

Surfactant, wetting agent residues, alkyl phenols

The following results were evaluated against the limit values (LV): STANDARD 100 by OEKO-TEX® Annex 6 product class I, 01.2022

	1 [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
4-tert-Butylphenol (BP)	n.d.	< 4.0	-
Pentylphenol (PeP)	n.d.	< 4.0	-
Heptylphenol (HpP)	n.d.	< 4.0	-
Octylphenol (OP)	n.d.	< 4.0	-
Nonylphenol (NP)	n.d.	< 4.0	-
Sum BP, NP, OP, HpP, PeP	n.d.	-	< 5.0
Octylphenoethoxylates (OP(EO))	n.d.	< 4.0	-
Nonylphenoethoxylates (NP(EO))	n.d.	< 4.0	-
Sum BP, NP, OP, HpP, PeP, NP(EO), OP(EO)	n.d.	-	< 50.0

Additional details for this test

Parameter hints:

Testing method according to STANDARD 100 by OEKO-TEX®

Odour

The following results were evaluated against the limit values (LV): STANDARD 100 by OEKO-TEX® Annex 6 product class I, 01.2022

	1	LV
The following odour was noticed	No abnormal odour	(LV1)
Footnotes		
Leads to failed	(LV1) Abnormal odour	
Additional details for this test		

Parameter hints:

Testing method according to STANDARD 100 by OEKO-TEX®