

Report N°:20020978A

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Applicant: SARL COUSU BIO

LE BOURG

23150 MAZEIRAT - França

Invoicing applicant: SARL COUSU BIO

Sample Description: Woven fabric

Color: -

Claimed Fibre Composition: -

Your Reference: #6 Printed Poplin 1 "Heron"

Requirements: -

Sample Receiving Date: 20.02.2020

Test Start Date: 20.02.2020

Test End Date: 21.05.2020

Service Type: Normal

Working Days: 11

Observation: This report replaces and supersedes the previous one with the same number dated 02.03.2020. New test added.



Trofa, 25 May 2020

Laboratory Manager

Note:

The results of this report were obtained according to the procedures described in Quality Lab's Quality Management Manual and refer only to the samples submitted to tests, as above mentioned. The Test Report cannot be reproduced except in full, without prior approval of the Laboratory. Tests marked with * are not included in the IPAC Accreditation and tests marked with * are not included in the scope of the accreditation and were carried out by external supplier. The opinion expressed in this report is not included in the scope of accreditation. *A*- Amended.
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Sample Information:

Sample ID	Description	Equivalent Code
001	Woven fabric	#6 Printed Poplin 1 "Heron"

Test	Sample ID
	001
DETERMINATION OF DIMENSIONAL CHANGE IN WASHING AND DRYING	F
DIMENSIONAL STABILITY TO WASHING: COLD WATER	NR
COLOUR FASTNESS TO ARTIFICIAL LIGHT: Xenon Arc Fading Lamp Test	P
COLOUR FASTNESS TO DOMESTIC AND COMMERCIAL LAUNDERING	P
TOTAL PHTHALATE CONTENT	P

Note: P= Meets Customer requirements; F= Does not meets Customer requirements; NR = No specified requirements;

In the assessment of conformity, the test uncertainty associated was not taken into account, unless otherwise indicated by the customer.

DETERMINATION OF DIMENSIONAL CHANGE IN WASHING AND DRYING

ISO 5077:2007

Sample ID	Results		Requirement
001	Length	-4.5%	Max. 3%
	Width	-5.0%	
Conclusion			Does not meets Customer requirements

Test Conditions:

- Conditioning conditions: $20 \pm 2^\circ\text{C}$ and $65 \pm 4\%$ (H.R.)
- Washing machine: Wascator
- Washing program: 4N (40°C)
- Total load + samples: 2kg
- Load: Type III
- Detergent: Det Ref^o2 + sodium perborate + TAED
- Drying process: Tumble Dry (1 dot)
- Number of cycles of washing and drying: 1
- Number of tests: 1
- Uncertainty for a probability of coverage of 95%: $\pm 0.3\%$

Notes:

Interpretation: (-) sign for shrinkage & (+) sign for extension.

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DIMENSIONAL STABILITY TO WASHING: COLD WATER

NP 3292:1988

Sample ID	Results		Requirement
001	Length	-1.6%	No Requirements
	Width	-3.9%	
Conclusion			--

Test Conditions:

- Conditioning conditions: $20 \pm 2^\circ\text{C}$ and $65 \pm 4\%$ (H.R.)
- Drying process: Flat Dry
- Number of cycles of washing and drying: 1
- Number of tests: 2
- Uncertainty for a probability of coverage of 95%: $\pm 0.5\%$

Notes:

Interpretation: (-) sign for shrinkage & (+) sign for extension.

COLOUR FASTNESS TO ARTIFICIAL LIGHT: Xenon Arc Fading Lamp Test

ISO 105-B02:2014*

Sample ID	Results	Requirement
001	4	Min. 3-4
Conclusion		Meets Customer requirements

Test Conditions:

- Method: 3
- Grade: 4

COLOUR FASTNESS TO DOMESTIC AND COMMERCIAL LAUNDERING

ISO 105-C06:2010

Sample ID	Fiber	Results	Requirement
001	Wool	4-5	Min.3-4
	Acrylic	4-5	
	Polyester	4-5	
	Polyamide	4-5	
	Cotton	4-5	
	Acetate	4-5	
Colour Change		4-5	
Conclusion			Meets Customer requirements

Test Conditions:

- Test number: A1S (40°C, 30min)
- Number of used spheres: 10
- Treatment with acetic acid: No
- Detergent: ECE
- Multifibres used: DW
- Uncertainty for a probability of coverage of 95%: ±0,5

Notes:

Interpretation: grey scale rating is based on the 5 step scale of 1 to 5, where 1 is bad and 5 is good.

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TOTAL PHTHALATE CONTENT

EN ISO 14389:2014*

Sample ID	Results		Requirement
001	Benzyl butyl phthalate phthalate, BBP (85-68-7)	N.D	<100mg/kg
	Dibutyl phthalate, DBP (84-74-2)	N.D	
	Di-n-ethylhexyl phthalate, DEHP (117-81-7)	N.D	
	Di-n-octyl phthalate, DNOP (117-84-0)	N.D	
	Di-iso-nonyl phthalate, DINP (28553-12-0)	N.D	
	Di-iso-decyl phthalate, DIDP (26761-40-0)	N.D	
	Diethyl phthalate, DEP (84-66-2)	N.D	
	Di cyclohexyl phthalate, DCHP (84-61-7)	N.D	
	Di-iso-hexylphthalate (DIHxP) (CAS No. 41451-28-9 71888-89-6□-)	N.D	
	Di-hexylphthalate, branched and linear, DHxP (CAS No. 84-74-2)	N.D	
	Di-n-propyl phthalate, DPRP (131-16-8)	N.D	
	Di-n-Hexylphthalate, DHP (84-75-3)	N.D	
	Di-n-nonylphthalate, DNP (84-76-4)	N.D	
	Diethylphthalate, DPP (84-66-2)	N.D	
Conclusion			Meets Customer requirements

Notes:

- Solvent extraction and analysis by GC-MS or LC-MS
- Detection Limit: Each - 50 mg/ kg;
- N.D: Not detected
- Tested colours: Yellow and blue print

End of Report