

Our Ref: JA/SW

18 JUNE 2024

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King Cole Ltd
 Merrie Mills
 Unit 9 Union Business Park
 Keighley Road
 Skipton
 BD23 2QR

Contact: Reay Clarke

DATE RECEIVED	:	04/06/2024
QUALITY/REFERENCE	:	COMFORT – RED / COMFORT - ADMIRAL
	:	COMFORT – MUSTARD
FABRIC DESCRIPTION	:	YARN
FABRIC COMPOSITION	:	60% ACRYLIC 40% NYLON
ITEM CODE	:	615 / 1963 / 3498
INTENDED AGE RANGE	:	0-16
TEST PERFORMANCE DATE(S)	:	04/06/2024 – 18/06/2024

TEST RESULT SUMMARY

Test	Method	Pass/Fail
EN 71-3:2019 + A1:2021 (Including Chrome VI)	EN71-3:2019 + A1:2021	Pass



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*The testing on this report has been sub-contracted

DETAILS OF SAMPLE RECEIVED

Sample Reference	Description	Unique Reference/Identifier
A	Red	422804
B	Blue	422804
C	Mustard	422804

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TEST RESULTS

EN 71-3:2019 + A1:2021 (Including Chrome VI)

†EN71-3:2019 + A1:2021

Detection limit: Organic Tin Compounds: 0.05 mg/kg, Chromium (VI): 0.053 mg/kg, All others: 0.1 mg/kg

Test Component	Unit	Requirement	Uncertainty of Measurement ±	Sample A Result	Sample B Result	Sample C Result
Antimony (Sb)	mg/kg	<560	5.4%	ND	ND	ND
Arsenic (As)	mg/kg	<47	2.9%	ND	ND	ND
Barium (Ba)	mg/kg	<18,750	1.0%	ND	0.12	0.13
Cadmium (Cd)	mg/kg	<17	1.1%	ND	ND	ND
Chromium (III)	mg/kg	<460	1.2%	ND	ND	ND
Chromium (VI)	mg/kg	<0.053	6.9%	ND	ND	ND
Lead (Pb)	mg/kg	<23	1.5%	ND	ND	ND
Mercury (Hg)	mg/kg	<94	22.6%	ND	ND	ND
Selenium (Se)	mg/kg	<460	1.3%	ND	ND	ND
Zinc (Zn)	mg/kg	<46,000	2.0%	1.2	2.2	1.4
Copper (Cu)	mg/kg	<7,700	1.1%	ND	ND	ND
Boron (B)	mg/kg	<15,000	3.1%	0.20	0.26	0.30
Cobalt (Co)	mg/kg	<130	1.1%	ND	0.36	ND
Aluminium (Al)	mg/kg	<28,130	2.6%	1.2	3.4	2.0
Manganese (Mn)	mg/kg	<15,000	2.2%	0.23	0.59	0.59
Nickel (Ni)	mg/kg	<930	1.2%	ND	ND	ND
Strontium (Sr)	mg/kg	<56,000	18.2%	ND	ND	ND
Tin (Sn)	mg/kg	<180,000	18.4%	ND	ND	ND
Conclusion (Pass / Fail)				Pass	Pass	Pass

Uncertainty of Measurement and Decision Rules

A non-binary simple acceptance decision rule based on guard bands has been used as the decision rule. The guard band is equal to the expanded standard deviation stated in the test result table. When the difference between the test result and the requirement is less than or equal to the expanded uncertainty of measurement, then a risk of false acceptance or false rejection is possible. The risk of false acceptance or false rejection is 2.5% based on a conformance probability of 97.5%.

STANDARD TECHNICAL NOTES

(All may not be applicable)

Terms and Conditions	Our Terms and Conditions of Testing can be found at www.blcleathertech.com
†	Tests within the scope of accreditation. Test without † are not UKAS accredited.
Sampling Location	Unless specified in the test report, sample was taken from the official sampling location according to †BS EN ISO 2418:2017. If the sample was supplied as a swatch from the customer, sampling according to †BS EN ISO 2418:2017 is not possible.
SC	Test performed by a competent, Eurofins BLC approved partner laboratory
I/S	Insufficient Sample was submitted to perform the test
Opinions	Any opinions and interpretations expressed in this test report are based on current knowledge and experience and fall outside of the scope of ISO 17025 accreditation
Sample disposal	Stable samples will be disposed of after 6 weeks unless otherwise instructed. All other samples will be disposed of on completion of testing
ND	None Detected (detection limits are included with the test results)
Conditioning	Where necessary, the sample was conditioned and tested at 23°C ± 2°C and 50% ± 5% RH as specified in the reference standard atmosphere requirements of BS EN ISO 2419:2012 (leather) or in the alternative specific standard atmosphere requirements of BS EN ISO 139:2005+A1:2011 (textile).
Composite analysis	If the result multiplied by the number of composited samples exceeds the requirement, then testing of the individual samples may be performed or recommended.
Azo dyes analysis	Accreditation excludes: 2,4-Diaminoanisole
Chemical Analysis	Certain tests such as: Phthalates, Carcinogenic dyes, Allergenic disperse dyes, PAHs, Azo dyes, Organotins, Nitrosamines and Pesticides have multiple elements tested. For a full list of chemicals tested within these analyses please refer to the specification cited within this report. For further information contact info@blcleathertech.com
Decision Rule and Uncertainty of Measurement	Unless requested, the Eurofins BLC's decision rule and estimated uncertainties of measurement will be used. For further information, please visit Conformity and Uncertainty of Measurement in Testing (blcleathertech.com)

****End of report****