We have EN71 tested all 6 inks that we use to make every colour of every Rose & Hubble RHD design therefore this certificate applies to every single design of our 60" Digital Cotton Prints.

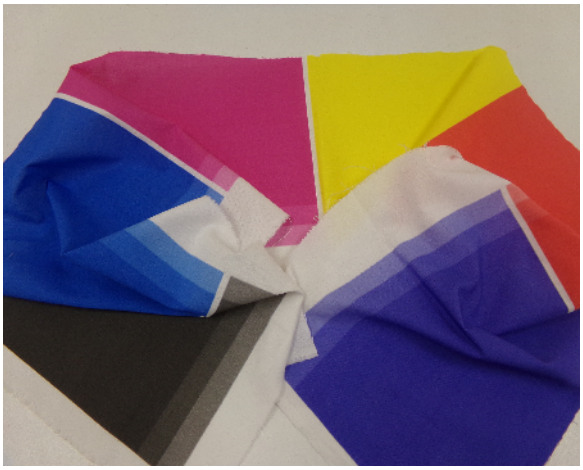
TEST REPORT

1428

LAB LOCATION:	LEEDS, UK	ISSUE DATE:	23/08/21
REPORT NUMBER:	41081904	PAGE:	1 of 4

Applicant:	Mr J. Bank Oddies Textiles, Unit 3, Bank House Greenfield Road, Colne Lancashire BB8 9NL
Item number:	RHDP ALL INKS
Item name:	DIGITAL PRINTING INKS
Batch number:	N/A
Sample description:	Printing inks
Quantity:	1
P.O./Order number:	OT RHDP INK
Date of submisssion:	19/08/21
Condition received:	visibly undamaged condition.
Test performance date(s):	19/08/2021 - 23/08/2021

Photo of submitted sample



The PASS result refers only to the materials analysed.

RESULTS

EN 71-3:2019 Migration of certain elements	**PASS**

Prepared by

B. Watkin, Analytical Chemist

For and on behalf of
Modern Testing Services

Tracy Hughes, Analytical Lab Supervisor

TEST REPORT

Category III - Scraped off material	PASS

The EN 71-3 screening test used by MTS (UK) tests for the migration of 16 of the 19 'elements' restricted by EN 71-3:2019;

It does not test for the presence of chromium III, chromium VI or organic tin specifically, it does however test for chromium and tin and compliance with the limits for chromium III, chromium VI or organic tin may be inferred from low results from these analyses (see below).

A. Purple print
B. Red print
C. Yellow print
D. Pink print
E. Blue print
F. Black print
G. White textile

The material(s) complied with the limits of the 16 elements specifically analysed for (see analysis table).

The migration of tin from the sample(s) was determined to be not greater than 4.9 mg/kg, which, when expressed in the form of tributyl tin, would not be greater than the organic tin limit of 12 mg/kg, the material(s) can therefore be inferred as complying with the organic tin limit.

The migration of chromium from the sample(s) was not greater than the chromium III limit of 460 mg/kg or the chromium VI limit of 0.053 mg/kg, the material(s) can therefore be inferred as complying with the chromium III and chromium VI limits.

~~~End of page~~~

Prepared by B. Watkin on 23 August 2021 Signature:
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Method of test: EN 71-3:2019 Migration of certain elements

ANALYSIS RESULTS

Category 3

Date of test: 23/08/21

Samples marked * were sieved, those marked # were centrifuged. Details of additional acid required to lower pH and solvent used for extraction appear in [ ] in sample description.
Deviations from standard method: pH of conventional polymers and textiles not checked; samples only filtered if required to prevent ICP blockages.
Solid to acid extractant ratio exceeded 1:50 with sample weights below 100 mg and when additional acid was used to lower pH.
Quantities of soluble metals determined by inductively coupled plasma spectroscopy.
Test results marked ^ are within the area to which uncertainty of measurement applies & compliance/non-compliance cannot be inferred.

	Metals	Al	Sb	As	Ba	B	Cd	Cr	Co	Cu	Pb	Mn	Hg	Ni	Se	Sr	Sn	Zn
	Limits	70000	560	47	18750	15000	17	460.053	130	7700	23	15000	94	930	460	56000	180000	46000
	Wt (Mg)																	
A	202	< 3	< 0.5	< 0.3	10	< 4	< 0.03	< 0.030	< 0.1	2	0.4	3	< 0.3	< 1	< 3	5.6	< 2	5
B	198	< 3	< 0.5	< 0.3	5	< 4	< 0.03	< 0.030	< 0.1	< 1	< 0.3	2	< 0.3	< 1	< 3	5.0	< 2	3
C	203	4	< 0.5	< 0.3	5	< 4	< 0.03	< 0.030	< 0.1	< 1	< 0.3	3	< 0.3	< 1	< 3	5.4	< 2	3
D	209	< 3	< 0.5	< 0.3	5	< 4	< 0.03	< 0.030	< 0.1	2	< 0.3	3	< 0.3	< 1	< 3	5.1	< 2	2
E	204	< 3	< 0.5	< 0.3	19	< 4	< 0.03	< 0.030	< 0.1	2	0.3	3	< 0.3	< 1	< 3	5.4	< 2	4
F	203	< 3	< 0.5	< 0.3	5	< 4	< 0.03	< 0.030	< 0.1	1	0.7	3	< 0.3	< 1	< 3	5.9	< 2	3
G	208	< 3	< 0.5	< 0.3	5	< 4	< 0.03	< 0.030	< 0.1	< 1	< 0.3	3	< 0.3	< 1	< 3	6.2	< 2	4
	END OF SAMPLES																	
	Uncert%	20.62	33.17	24.50	33.17	20.62	24.50	24.50	24.50	20.62	33.17	20.62	33.17	24.50	24.50	20.62	33.17	20.62

Prepared by B. Watkin Date: 23 August 2021 Signature:

TEST REPORT

ANNEX A:

Statements of conformity for tests with objective measurements are based on simple acceptance after taking the expanded uncertainty of measurement at the 95% probability level into account. Any test result for which the result falls within the area to which uncertainty of measurement applied will be indicated in the test report and the uncertainty of measurement stated. For all other tests, statements of conformity are based on the 95% probability that the conditions of test fall within the criteria and tolerances set out in the test method. The risk of false accept or false reject is therefore <=2.5%.

Uncertainty of measurement:

EN71-1
Force: 0.5N
Time: ± 0.5s
Acoustics: ± 4.6dB
Torque: <0.01N.m
Flux index: ±1.5%
Dimensions: ±0.0004mm (micrometer) ±1.5mm (steel rule)
Temperature: ±1.5°C

EN71-2:
Flammability: Length: ±1 mm
Duration of burn: ±0.25 s
Rate of spread of flame: Clause 4.5: ±2.5 mm/s; Other clauses: ±0.5 mm/s

EN71-3:
Given at foot of table of results