

TEST REPORT

NUMBER: LTR22030099A

APPLICANT: Ink Experts Ltd
Unit 6C Wednesfield Business Park
Waddons Brook Lane
Wednesfield
WV11 3SF

DATE: 16th March 2022

For the attention of Alex Goodier

SAMPLE DESCRIPTION: Dye Sublimation Inks

REFERENCE / STYLE NO.: INKTEC Sublinova Smart DTI Inks

BATCH NO.: P07281108-110/Y08021008-260/PYR-041105250/PYQ-021103220

RETAILER: Ink Experts Ltd


SAMPLES RECEIVED: 7th March 2022

PURCHASE ORDER: None

TEST REQUEST: ^BS EN 71-3: 2019+A1:2021, EN 71-3: 2019+A1:2021

CONCLUSION: The results of the tests carried out **MEET** the requirements of the requested Standard

Tests marked (^) in this report are included in the scope of accreditation of the sub-contractor who performed the test.
Tests marked (*) in this report are not included in our UKAS scope of accreditation.
Tests marked (**) in this report are not included in the scope of accreditation of the sub-contractor who performed the test.
Opinions, interpretations and comments expressed herein are outside the scope of accreditation.


GEORGE CARTER
Technician
HARDLINES



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Specification: BS EN 71-3: 2019+A1:2021, EN 71-3: 2019+A1:2021

Acid extraction method was used and migration elements content were determined by Inductively Coupled Plasma-ICP-MS

Category	TEST	RESULTS
II	Liquid/sticky	Pass

Note: The results for chromium (III), chromium (VI) and organic tin are based on the overall migration of chromium and tin respectively and specific testing for these chemicals was not carried out (unless confirmation testing is indicated). This is in accordance with Annex I of the standard.

MATERIALS SAMPLED

No.	DESCRIPTION	Sample weight (<100mg)
CATEGORY II – LIQUID / STICKY		
1	Light magenta dye	
2	Light cyan dye	
3	Light black dye (LK)	
4	Light-light black dye (L4K)	

Where sample weights are written above these were less than 100 mg. The migration results below for these samples have been calculated as though the sample weight were 100 mg.

CATEGORY II – LIQUID / STICKY

Element	Analytical Results																	Theoretical Maximum Results		
	Sb	As	Ba	Cd	Cr	Pb	Hg	Se	Al	B	Co	Cu	Mn	Ni	Sr	Sn	Zn	Cr (III)	#Cr (VI)	##OT
EN71-3 Limit	11.3	0.9	375	0.3	–	0.5	1.9	9.4	560	300	2.6	156	300	18.8	1125	3750	938	9.4	0.005	0.2
1	<0.2	<0.1	<100	<0.125	<0.004	<0.125	<0.05	<3	<400	<100	<0.5	<50	<100	<6	<250	<0.2	<300	<0.004	<0.004	<0.2
2	<0.2	<0.1	<100	<0.125	<0.004	<0.125	<0.05	<3	<400	<100	<0.5	<50	<100	<6	<250	<0.2	<300	<0.004	<0.004	<0.2
3	<0.2	<0.1	<100	<0.125	<0.004	<0.125	<0.05	<3	<400	<100	<0.5	<50	<100	<6	<250	<0.2	<300	<0.004	<0.004	<0.2
4	<0.2	<0.1	<100	<0.125	<0.004	<0.125	<0.05	<3	<400	<100	<0.5	<50	<100	<6	<250	<0.2	<300	<0.004	<0.004	<0.2

The reporting limits are as stated in the table above.

OT = Organic tin

All results and the limits are quoted as mg/kg (ppm) of the named material.

† Sample weight of items marked with a cross was less than 100mg. The toxic metal content has been calculated as though the sample weight were 100mg.

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Actual levels of chromium (III) or chromium (VI) have not been determined in this analysis, only overall levels of migratable chromium (III) have been analysed: the maximum theoretical amount of chromium (VI) will be equal to or less than the number reported above. Where the value in either of these columns is greater than the associated limit we would advise further testing to accurately determine chromium (III) chromium (VI) levels.

In the case of Category 2 samples we advise testing for chromium (III) and chromium (VI) is carried out on all samples due to the very low PASS/FAIL limit related to these materials

Actual levels of organic tin have not been determined in this analysis: the maximum theoretical amount of any single organic tin can be different. The result for organic tin presented is calculated as if all the tin were present as TBT (Tri-butyl Tin) only.

Date of Testing: 14th – 16th March 2022**END OF REPORT**

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