



CTL® GmbH

CTL® GmbH | Chemical-Technological Laboratory
Krackser Straße 12 | 33659 Bielefeld | Germany

Kuro Sumi Inc.
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CTL® no. 385573+385792+386644+386832+389788

[Order date] ---
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[Service date] 08.03.2019

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Certificate

[Article] Tattoo colour
[Brand] World Famous Tattoo Ink
[Colour/product code] Dreaming Blue / WFSDDB
[Test] Heavy Metals acc. to CoE Resolution ResAP(2008)1: Part 3

Part 3 Investigation of Heavy Metals according to CoE Resolution ResAP(2008)1				Method: Prior, G. (2014). Tattoo Inks: Analysis, Pigments, Legislation. Berlin: epubli. CTL method 2, p. 83.			
Element (ppm)	Element (ppm)	Limit (ppm)	Method (ppm)	Element (ppm)	Element (ppm)	Limit (ppm)	Method (ppm)
< 1	Arsenic (As)	≤ 2	1	< 0.1	Nickel (Ni)	As low as technically achievable	0.1
< 5	Barium (Ba)	≤ 50	5	< 1	Lead (Pb)	≤ 2	1
< 0.1	Cadmium (Cd)	≤ 0.2	0.1	< 1	Selenium (Se)	≤ 2	1
< 5	Cobalt (Co)	≤ 25	5	< 1	Antimony (Sb)	≤ 2	1
< 0.1	Chromium (Cr), VI	≤ 0.2	0.1	< 5	Tin (Sn)	≤ 50	5
< 5	Copper (Cu), soluble	≤ 25	5	< 5	Zinc (Zn)	≤ 50	5
< 0.1	Mercury (Hg)	≤ 0.2	0.1				

BIELEFELD, 08. MARCH 2019

Helmut Meyer (lab manager)

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[Test] Dyestuffs acc. to CoE Resolution ResAP(2008)1: Part 2

Part 2 Testing of dyestuffs according to CoE Resolution ResAP(2008)1 Detection limit: 5 mg/l				DIN 54231 in the up-to-date legislation GC/MS analysis HPLC analysis TLC analysis		
Amount (µg/ml)	Colour	Line	Code	Amount (µg/ml)	Solvent	Code
---	Acid Green 16	44025	12768-78-4	---	Disperse Orange 37	12223-33-5
---	Acid Red 26	16150	3761-53-3	---	Disperse Red 1	11110 2872-52-8
---	Acid Violet 17	42650	4129-84-4	---	Disperse Red 17	11210 3179-89-3
---	Acid Violet 49	42640	1694-09-3	---	Disperse Yellow 3	11855 2832-40-8
---	Acid Yellow 36	13065	587-98-4	---	Disperse Yellow 9	10375 6373-73-5
---	Basic Blue 7	42595	2390-60-5	---	Pigment Orange 5	12075 3468-63-1
---	Basic Green 1	42040	633-03-4	---	Pigment Red 53	15585 2092-56-0
---	Basic Red 1	45160	989-38-8	---	Pigment Violet 3	42535:2 1325-82-2
---	Basic Red 9	42500	569-61-9	---	Pigment Violet 39	42555:2 64070-98-0
---	Basic Violet 1	42535	8004-87-3	---	Solvent Blue 35	61554 17354-14-2
---	Basic Violet 10	45170	81-88-9	---	Solvent Orange 7	12140 3118-97-6
---	Basic Violet 3	42555	548-62-9	---	Solvent Red 24	26105 85-83-6
---	Disperse Blue 1	64500	2475-45-8	---	Solvent Red 49	45170:1 509-34-2
---	Disperse Blue 106		12223-01-7	---	Solvent Violet 9	42555:1 467-63-0
---	Disperse Blue 124		61951-51-7	---	Solvent Yellow 1	11000 60-09-3
---	Disperse Blue 3	61505	2475-46-9	---	Solvent Yellow 2	11020 60-11-7
---	Disperse Blue 35		12222-75-2	---	Solvent Yellow 3	11160 97-56-3
---	Disperse Orange 3	11005	730-40-5			

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[Colour/product code] Dreaming Blue / WFSDDDB
[Test] PAH and BaP acc. to CoE Resolution ResAP(2008)1: Part 4

Part 4 Testing of Polycyclic Aromatic Hydrocarbons (PAH) and Benzo-a-Pyrene (BaP) according to CoE Resolution ResAP(2008)1 Detection limit: PAH: 0.05 ppm as total; Benzo-a-pyrene: 0.5 ppb Limit: PAH: 0.5 ppm as total; Benzo-a-pyrene: 5 ppb		EPA, ZEK 2008-01	
Substanz [ppm]	Ergebnis in [ppm]	Substanz [ppm]	Ergebnis in [ppm]
---	Naphthalene	---	Benz(a)anthracene
---	Acenaphthylene	---	Chrysene
---	Acenaphthene	---	Benzo(b)fluoranthene
---	Fluorene	---	Benzo(k)fluoranthene
---	Phenanthrene	---	Dibenzo(a,h)anthracene
---	Anthracene	---	Indo (1,2,3-cd)pyrene
---	Fluoranthene	---	Benzo(g,h,i)perylene
---	Pyrene	---	Benzo-a-pyrene (BaP)

Result as total: all below detection limit

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[Test] Aromatic amines and carcinogens acc. to CoE Resolution ResAP(2008)1: Part 1a, Part 1b

Table with 2 main sections: Part 1a and Part 1b. Each section contains columns for CAS no., Name, EC no., and IARC pr. for various chemical compounds.

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[Test] Sterility acc. to CoE Resolution ResAP(2008)1; ASU §64 LFGB L59.00-4;- L06.00-18: Part 5
tested on a single representative sample

Part 5 Testing of sterility Detection limit: 1.0 x 10 ¹ CFU/g	
	Results
Microbiological test: pseudomonads = King A, King B, Oxidase test acc. to CoE ResAP(2008)1	< 1.0 x 10 ¹ CFU/g
Anaerobes sulfite-reducing sporulating bacteria acc. to ASU §64 LFGB L59.00-4	< 1.0 x 10 ¹ CFU/g
Aerobes mesophilic sporulating bacteria acc. to ASU §64 LFGB L06.00-18	< 1.0 x 10 ¹ CFU/g

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