

wir helfen, beraten und prüfen



CTL GmbH Bielefeld, Chemical-Technological Laboratory
Kreuzestraße 12, 33609, Bielefeld, Germany

TEST RESULTS

CTL-No.: Article: Colour:	61892/2 1 sample of a tattoo pigment Tattoo Outlining Ink																																											
		passed																																										
Azo-dyestuffs, Part 1a Investigation of aromatic amines with carcinogenic, mutagenic, reprotoxic and sensitising properties according to EU Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm, Limit: 30 ppm	not detectable	yes																																										
Azo-dyestuffs, Part 1b Investigation of carcinogens classified in Categories 1, 2 and 3 by the European Commission and mentioned in the Council Directive 1967/548/EEC of 27 June 1967 according to EU Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm	not detectable	yes																																										
Dyestuffs, Part 2 acc. to EU Resolution ResAP(2008)1 Methods: TLC-, HPLC-, GC/MS-analysis acc. to DIN 54231 Detection limit: 5 mg/L	not detectable	yes																																										
Heavy metals, Part 3 acc. to EU Resolution ResAP(2008)1 Methods: extraction using acidic perspiration solution acc. to DIN 38406-E28; Analysis acc. to EU ResAP(89)1		yes																																										
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HRB 35-412



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 Knechtstrasse 13, 33609, Bielefeld, Germany

 Technical Tattoo Supply
 PO Box 1102
 68 Cabot Street
 11704 West Babylon, New York
 USA

CERTIFICATE

 YOUR REFERENCE: Mf Rubino
 YOUR LETTER DATED: 03rd August 2009
 ARRIVAL DATE CTL: 12th August 2009
 DATE: 01st September 2009
 CTL NO: 01802/2
 SAMPLE: 1 sample of a tattoo pigment
 COLOUR: Tattoo Outlining Ink
 www.ctl-tattoo.eu

PART 1a

 Investigation of aromatic amines with carcinogenic, mutagenic, reprotoxic and sensitising properties
 according to EU Resolution ResAP(2008)1

AMOUNT	UNIT	AMINE	EC-NO.	CAS-NO.
---		Biphenyl-4-ylamine	202-177-1	92-87-1
---		Benzidine	202-199-1	92-87-5
---		4-Chloro-o-toluidine	202-411-8	95-89-2
---		2-Naphthylamine	202-080-4	91-58-8
---		o-Aminoazotoluene	202-591-2	97-56-3
---		5-Nitro-o-toluidine	202-765-8	99-55-8
---		4-Chloroaniline	203-401-0	108-47-8
---		4-Methoxy-m-phenylenediamine	210-406-1	616-05-4
---		4,4'-Methylenedianiline	202-974-4	101-77-0
---		3,3'-Dichlorobenzidine	202-109-0	91-94-1
---		3,3'-Dimethoxybenzidine	204-356-4	119-90-4
---		3,3'-Dimethylbenzidine	204-358-0	119-93-7
---		4,4'-Methylened-o-toluidine	212-658-8	838-88-0
---		6-Methoxy-m-toluidine	204-419-1	120-71-8
---		4,4'-Methylenebis-(2-chloroaniline)	202-918-9	101-14-4
---		4-Methyl-m-phenylenediamine	202-483-1	95-80-7
---		o-Anisidine	201-983-1	90-04-0
---		4-Aminoazobenzene	200-453-8	60-09-3
---		6-Amino-2-ethoxynaphthalene	---	293733-21-8
---		4-Amino-3-fluorophenol	418-230-9	399-95-1

 (---) = below detection limit; The investigation was carried out using GC/MS and HPLC according to § 64 LFGB, § 82.02-2, 3, 4 and 9 in the up-to-date legislation.
 The detection limit is 1 ppm. The legal limit is 30 ppm.

PART 1b

 Investigation of carcinogens classified in Categories 1, 2 and 3 by the European Commission
 and mentioned in the Council Directive 1967/548/EEC of 27 June 1967
 according to EU Resolution ResAP(2008)1

AMOUNT	UNIT	AMINE	EC-NO.	CAS-NO.
---		4,4'-Oxydianiline	202-977-0	101-80-4
---		4,4'-Thiodianiline	208-370-9	139-85-1
---		o-Toluidine	202-429-0	95-53-4
---		2,4,5-Trimethylaniline	205-282-0	137-17-7
---		Para-phenylenediamine	2003-404-7	106-50-3
---		2,4 Xylidine	---	95-88-1
---		2,6 Xylidine	---	87-82-7

 (---) = below detection limit; The investigation was carried out using GC/MS and HPLC according to § 64 LFGB, § 82.02-2, 3, 4 and 9 in the up-to-date legislation.
 The detection limit is 1 ppm.

 BIELEFELD, 01ST SEPTEMBER 2009

Dr. rer. nat. G. Priel


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 Krockenstrasse 12, 33659, Bielefeld, Germany

 Technical Tattoo Supply
 PO Box 1102
 68 Cabot Street
 11704 West Babylon, New York
 USA

CERTIFICATE

 YOUR REFERENCE: Mr Rubino
 YOUR LETTER DATED: 05th August 2009
 ARRIVAL DATE CTL: 12th August 2009
 DATE: 01st September 2009
 CTL NO: #1892/2
 SAMPLE: 1 sample of a tattoo pigment
 COLOUR: Tattoo Outlining Ink

www.ctl-tattoo.eu

PART 2
Investigation of Dyestuffs according to EU Resolution ResAP(2008)1

AMOUNT	UNIT	COLOURANT	CI-NO.	CAS-NO.
---		Acid Green 16	44025	12768-78-4
---		Acid Red 26	16150	3761-53-3
---		Acid Violet 17	42650	4129-84-4
---		Acid Violet 49	42640	1694-09-3
---		Acid Yellow 36	13065	587-98-4
---		Basic Blue 7	42595	2360-80-5
---		Basic Green 1	42040	633-03-4
---		Basic Red 1	45180	886-38-8
---		Basic Red 9	42500	569-81-9
---		Basic Violet 1	42535	8004-87-3
---		Basic Violet 10	45170	81-88-9
---		Basic Violet 3	42555	548-62-9
---		Disperse Blue 1	84500	2475-45-8
---		Disperse Blue 106		12223-01-7
---		Disperse Blue 124		61951-51-7
---		Disperse Blue 3	61505	2475-48-9
---		Disperse Blue 38		12222-75-2
---		Disperse Orange 3	11005	730-40-5
---		Disperse Orange 37		12223-33-5
---		Disperse Red 1	11110	2872-62-8
---		Disperse Red 17	11210	3179-89-3
---		Disperse Yellow 3	11855	2832-40-8
---		Disperse Yellow 9	10375	6873-73-5
---		Pigment Orange 5	12075	3468-63-1
---		Pigment Red 53	15585	2092-86-0
---		Pigment Violet 3	42535:2	1325-82-2
---		Pigment Violet 39	42555:2	64070-98-0
---		Solvent Blue 35	61554	17354-14-2
---		Solvent Orange 7	12140	3118-97-8
---		Solvent Red 24	28105	85-83-6
---		Solvent Red 49	45170:1	509-34-2
---		Solvent Violet 9	42555:1	467-63-0
---		Solvent Yellow 1	11000	60-09-3
---		Solvent Yellow 2	11020	60-11-7
---		Solvent Yellow 3	11400	97-56-3

 (---) = below detection limit. The investigation was carried out using TLC, HPLC, GC/MS according to DIN 54231 in the Op-to-Data legislation.
 The detection limit is 5 mg/L.

 BIELEFELD, 01ST SEPTEMBER 2009

Dr. rer. nat. G. Prior


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 USA

CERTIFICATE

 YOUR REFERENCE: Mr Rubino
 YOUR LETTER DATED: 03rd August 2009
 ARRIVAL DATE CTL: 12th August 2009
 DATE: 01st September 2009
 CTL NO: 01892/2
 SAMPLE: 1 sample of a tattoo pigment
 COLOUR: Tattoo Outlining Ink

www.ctl-tattoo.eu

PART 3
Investigation of Heavy Metals according to EU Resolution ResAP(2008)1

AMOUNT	UNIT	ELEMENT OR COMPOUND	limit (ppm)
---		Arsenic (As)	2
---		Barium (Ba)	50
---		Cadmium (Cd)	0.2
---		Cobalt (Co)	25
---		Chromium (Cr), VI	0.2
---		Copper (Cu), soluble	25
---		Mercury (Hg)	0.2
---		Nickel (Ni)	As low as technically achievable
---		Lead (Pb)	2
---		Selenium (Se)	2
---		Antimony (Sb)	2
---		Tin (Sn)	50
---		Zinc (Zn)	50

 (---) = below detection limit (0.01 ppm). Methods: extraction using acidic perspiration solution acc. to DIN 35406-829;
 Analysis acc. to EU ResAP(08)1
BIELEFELD, 01ST SEPTEMBER 2009

 Dr. rer. nat. G. Pöör


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 PO Box 1102
 66 Cabot Street
 11704 West Babylon, New York
 USA

CERTIFICATE

 YOUR REFERENCE: Mr Rubino
 YOUR LETTER DATED: 03rd August 2009
 ARRIVAL DATE CTL: 12th August 2009
 DATE: 01st September 2009
 CTL NO: 61892/2
 SAMPLE: 1 sample of a tattoo pigment
 COLOUR: Tattoo Outlining Ink

www.ctl-tattoo.eu

PART 4
Investigation of Polycyclic aromatic hydrocarbons (PAH) and Benzene-a-pyrene (BaP)
 according to ResAP(2008)1

AMOUNT	UNIT	ELEMENT OR COMPOUND
0.01	ppm	Naphthalene
0.02	ppm	Acenaphthylene
0.03	ppm	Acenaphthene
0.08	ppm	Fluorene
---		Phenanthrene
---		Anthracene
---		Fluoranthene
0.02	ppm	Pyrene
---		Benz(a)anthracene
---		Chrysene
---		Benzo(b)fluoranthene
---		Benzo(k)fluoranthene
---		Dibenzo(a,h)anthracene
---		Indo (1,2,3-cd)pyrene
---		Benzo(g,h,i)perylene
---		Benzene-a-pyrene (BaP)

(---) = below detection limit. Method acc. to EPA, ZEK 2008-01.

Detection limit: PAH 0.05 ppm as total, Benz-a-pyrene 0.9 ppb. Limit: PAH 0.5 ppm as total, Benz-a-pyrene 5 ppb

Result as total: 0.16 ppm

 BIELEFELD, 01ST SEPTEMBER 2009

Dr. rer. nat. G. Prior


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 PO Box 1102
 68 Cabot Street
 11704 West Babylon, New York
 USA

CERTIFICATE

YOUR REFERENCE:	Mr Rubino
YOUR LETTER DATED:	09 th August 2009
ARRIVAL DATE CTL:	12 th August 2009
DATE:	01 st September 2009
CTL NO:	81892/2
SAMPLE:	1 sample of a tattoo pigment
COLOUR:	Tattoo Outlining Ink

tested on a single representative sample

www.ctl-tattoo.eu

PART 5

Investigation of Sterility
microbiological test: pseudomonads = King A, King B, Oxidase test
according to ResAP(2008)1

Detection limit:	< 1.0 x 10 ⁶ CFU/g
Result:	not detectable

BIELEFELD, 01ST SEPTEMBER 2009

Dr. rer. nat. G. Prior

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CTL GmbH Bielefeld, Chemical-Technological Laboratory
Krackertstrasse 12, 33629, Bielefeld, Germany

TEST RESULTS

CTL-No.:	61892/3																																											
Article:	1 sample of a tattoo pigment																																											
Colour:	Graywash Shading Ink																																											
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CTL Bielefeld GmbH

M. Hahn
I. A. Marion Hahn


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 USA

CERTIFICATE

 YOUR REFERENCE: Mr Rubino
 YOUR LETTER DATED: 03rd August 2009
 ARRIVAL DATE CTL: 12th August 2009
 DATE: 01st September 2009
 CTL NO: 61892/3
 SAMPLE: 1 sample of 6 tattoo pigment
 COLOUR: Graywash Shading Ink
 www.ctl-tattoo.eu

PART 1a

 Investigation of aromatic amines with carcinogenic, mutagenic, reprotoxic and sensitising properties
 according to EU Resolution ResAP(2008)1

AMOUNT	UNIT	AMINE	EC-NO.	CAS-NO.
---		Biphenyl-4-ylamine	202-177-1	82-87-1
---		Benzidine	202-199-1	92-87-5
---		4-Chloro-o-toluidine	202-411-6	95-69-2
---		2-Naphthylamine	202-080-4	91-59-8
---		o-Aminoazotoluene	202-591-2	97-56-3
---		5-Nitro-o-toluidine	202-766-8	99-58-8
---		4-Chloroaniline	203-401-0	108-47-8
---		4-Methoxy-m-phenylenediamine	210-408-1	615-05-4
---		4,4'-Methylenedianiline	202-974-4	101-77-9
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---		4,4'-Methylenedi-o-toluidine	212-058-8	838-88-0
---		6-Methoxy-m-toluidine	204-419-1	120-71-8
---		4,4'-Methylenebis-(2-chloroaniline)	202-918-9	101-14-4
---		4-Methyl-m-phenylenediamine	202-453-1	95-80-7
---		o-Anisidine	201-953-1	90-04-0
---		4-Aminoazobenzene	200-453-6	80-09-3
---		6-Amino-2-ethoxynaphthalene	---	293733-21-8
---		4-Amino-3-fluorophenol	418-230-9	399-95-1

 (---) = below detection limit; The investigation was carried out using GC/MS and HPLC according to § 64 LFGB, § 82.02-2, 3, 4 and 9 in the up-to-date legislation.
 The detection limit is 1 ppm. The legal limit is 20 ppm.

PART 1b

 Investigation of carcinogens classified in Categories 1, 2 and 3 by the European Commission
 and mentioned in the Council Directive 1967/548/EEC of 27 June 1967
 according to EU Resolution ResAP(2008)1

AMOUNT	UNIT	AMINE	EC-NO.	CAS-NO.
---		4,4'-Oxydianiline	202-977-0	101-80-4
---		4,4'-Thiodianiline	205-370-9	139-85-1
---		o-Toluidine	202-429-0	95-53-4
---		2,4,6-Trimethylaniline	205-282-0	137-17-7
---		Para-phenylenediamine	2003-404-7	108-50-3
---		2,4 Xylidine	---	95-88-1
---		2,6 Xylidine	---	87-82-7

 (---) = below detection limit; The investigation was carried out using GC/MS and HPLC according to § 64 LFGB, § 82.02-2, 3, 4 and 9 in the up-to-date legislation.
 The detection limit is 1 ppm.
BIELEFELD, 01ST SEPTEMBER 2009

 Dr. rer. nat. G. Prior


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 Krackstrasse 12, 33655, Bielefeld, Germany

 Technical Tattoo Supply
 PO Box 1102
 68 Cabot Street
 11704 West Babylon, New York
 USA

CERTIFICATE

 YOUR REFERENCE: Mr Rubine
 YOUR LETTER DATED: 03rd August 2009
 ARRIVAL DATE CTL: 12th August 2009
 DATE: 01st September 2009
 CTL NO: 61882/2
 SAMPLE: 1 sample of a tattoo pigment
 COLOUR: Graywash Shading Ink

www.ctl-tattoo.eu

PART 2
 Investigation of Dyestuffs according to EU Resolution ResAP(2008)1

AMOUNT	UNIT	COLOURANT	CI-NO.	CAS-NO.
---		Acid Green 16	44025	12768-78-4
---		Acid Red 26	16150	3761-63-3
---		Acid Violet 17	42850	4129-84-4
---		Acid Violet 49	42840	1694-09-3
---		Acid Yellow 36	13065	587-98-4
---		Basic Blue 7	42585	3380-60-5
---		Basic Green 1	42040	633-03-4
---		Basic Red 1	45160	989-38-8
---		Basic Red 9	42500	569-61-9
---		Basic Violet 1	42535	8004-87-3
---		Basic Violet 10	45170	61-88-9
---		Basic Violet 3	42555	548-62-9
---		Disperse Blue 1	64500	2475-46-8
---		Disperse Blue 106		12223-01-7
---		Disperse Blue 124		61951-61-7
---		Disperse Blue 3	61505	2475-46-9
---		Disperse Blue 35		12222-75-2
---		Disperse Orange 3	11005	730-40-5
---		Disperse Orange 37		12223-33-5
---		Disperse Red 1	11110	2872-62-8
---		Disperse Red 17	11210	3179-89-3
---		Disperse Yellow 3	11855	2832-40-8
---		Disperse Yellow 9	10375	6373-73-5
---		Pigment Orange 8	12075	3468-63-1
---		Pigment Red 53	15585	2092-56-0
---		Pigment Violet 3	42535.2	1325-82-2
---		Pigment Violet 39	42555.2	64070-98-0
---		Solvent Blue 35	61554	17354-14-2
---		Solvent Orange 7	12140	3118-97-6
---		Solvent Red 24	26105	85-83-6
---		Solvent Red 49	45170.1	509-34-2
---		Solvent Violet 9	42555.1	467-63-0
---		Solvent Yellow 1	11000	60-09-3
---		Solvent Yellow 2	11020	60-11-7
---		Solvent Yellow 3	11160	87-56-3

 (---) = below detection limit. The investigation was carried out using TLC, HPLC, GC/MS according to DIN 54231 in the up-to-date legislation.
 The detection limit is 5 mg/L.
BIELEFELD, 01ST SEPTEMBER 2009

Dr. rer. nat. G. Prior


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 PO Box 1102
 68 Cabot Street
 11704 West Babylon, New York
 USA

 YOUR REFERENCE: Mr Rubino
 YOUR LETTER DATED: 03rd August 2009
 ARRIVAL DATE CTL: 12th August 2009
 DATE: 01st September 2009
 CTL NO: 61992/3
 SAMPLE: 1 sample of a tattoo pigment
 COLOUR: Graywash Shading Ink

www.ctf-tattoo.eu

PART 3
Investigation of Heavy Metals according to EU Resolution ResAP(2008)1

AMOUNT	UNIT	ELEMENT OR COMPOUND	limit (ppm)
---		Arsenic (As)	2
---		Barium (Ba)	50
---		Cadmium (Cd)	0.2
---		Cobalt (Co)	25
---		Chromium (Cr), VI	0.2
---		Copper (Cu), soluble	25
---		Mercury (Hg)	0.2
---		Nickel (Ni)	As low as technically achievable
---		Lead (Pb)	2
---		Selenium (Se)	2
---		Antimony (Sb)	2
---		Tin (Sn)	50
---		Zinc (Zn)	50

(---) = below detection limit (0.01 ppm). Methods: extraction using acidic perspiration solution acc. to DIN 58406-E29, Analysis acc. to EU ResAP(08)1

BIELEFELD, 01ST SEPTEMBER 2009

Dr. rer. nat. G. Krier



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 11704 West Babylon, New York
 USA

CERTIFICATE

YOUR REFERENCE: Mr Rubio
 YOUR LETTER DATED: 03rd August 2008
 ARRIVAL DATE CTL: 12th August 2008
 DATE: 01st September 2009
 CTL NO: 61592/3
 SAMPLE: 1 sample of a tattoo pigment
 COLOUR: Graywash Shading Ink


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PART 4
Investigation of Polycyclic aromatic hydrocarbons (PAH) and Benzene-a-pyrene (BaP)
according to ResAP(2008)1

AMOUNT	UNIT	ELEMENT OR COMPOUND
---		Naphthalene
---		Acenaphthylene
---		Acenaphthene
---		Fluorene
0.01	ppm	Phenanthrene
---		Anthracene
---		Fluoranthene
0.01	ppm	Pyrene
---		Benz(a)anthracene
---		Chrysene
---		Benzo(b)fluoranthene
---		Benzo(k)fluoranthene
---		Dibenzo(a,h)anthracene
---		Indo (1,2,3-cd)pyrene
---		Benzo(g,h,i)perylene
---		Benzene-a-pyrene (BaP)

(-) = below detection limit. Method acc. to EPA, ZER 2008-01.
 Detection limit: PAH 0.05 ppm as total, Benz-a-pyrene 0.5 ppb. Limit: PAH 0.5 ppm as total, Benz-a-pyrene 5 ppb

Result as total: 0.02 ppm



 Dr. rer. nat. G. Prior

BIELEFELD, 01ST SEPTEMBER 2009


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HRR 35-412



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YOUR REFERENCE:	Mr Rubin
YOUR LETTER DATED:	09 th August 2008
ARRIVAL DATE CTL:	12 th August 2008
DATE:	01 st September 2009
CTL NO:	61892/3
SAMPLE:	1 sample of a tattoo pigment
COLOUR:	Graywash Shading Ink

tested on a single representative sample

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PART 5

Investigation of Sterility
 microbiological test: pseudomonads - King A, King B, Oxidase test
 according to ResAP(2008)1

Detection limit:	< 1,0 x 10 ³ CFU/g
Result:	not detectable

Dr. rer. nat. G. Prior

BIELEFELD, 01ST SEPT^{EMBER} 2009