



TEST RESULTS

CTL-No.:	61892/2																																											
Article:	1 sample of a tattoo pigment																																											
Colour:	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-E29; Analysis acc. to EU ResAP(89)1		yes																																										
<table border="0"> <tr> <td></td> <td style="text-align: right;">Limit:</td> <td></td> </tr> <tr> <td>Arsenic (As)</td> <td style="text-align: right;">2 ppm</td> <td style="text-align: right;">< 2 ppm</td> </tr> <tr> <td>Barium (Ba)</td> <td style="text-align: right;">50 ppm</td> <td style="text-align: right;">< 50 ppm</td> </tr> <tr> <td>Cadmium (Cd)</td> <td style="text-align: right;">0.2 ppm</td> <td style="text-align: right;">< 0.2 ppm</td> </tr> <tr> <td>Cobalt (Co)</td> <td style="text-align: right;">25 ppm</td> <td style="text-align: right;">< 25 ppm</td> </tr> <tr> <td>Chromium (Cr), VI</td> <td style="text-align: right;">0.2 ppm</td> <td style="text-align: right;">< 0.2 ppm</td> </tr> <tr> <td>Copper (Cu), soluble</td> <td style="text-align: right;">25 ppm</td> <td style="text-align: right;">< 25 ppm</td> </tr> <tr> <td>Mercury (Hg)</td> <td style="text-align: right;">0.2 ppm</td> <td style="text-align: right;">< 0.2 ppm</td> </tr> <tr> <td>Nickel (Ni)</td> <td style="text-align: right;">As low as technically achievable</td> <td style="text-align: right;">< 0.5 ppm</td> </tr> <tr> <td>Lead (Pb)</td> <td style="text-align: right;">2 ppm</td> <td style="text-align: right;">< 2 ppm</td> </tr> <tr> <td>Selenium (Se)</td> <td style="text-align: right;">2 ppm</td> <td style="text-align: right;">< 2 ppm</td> </tr> <tr> <td>Antimony (Sb)</td> <td style="text-align: right;">2 ppm</td> <td style="text-align: right;">< 2 ppm</td> </tr> <tr> <td>Tin (Sn)</td> <td style="text-align: right;">50 ppm</td> <td style="text-align: right;">< 50 ppm</td> </tr> <tr> <td>Zinc (Zn)</td> <td style="text-align: right;">50 ppm</td> <td style="text-align: right;">< 50 ppm</td> </tr> </table>		Limit:		Arsenic (As)	2 ppm	< 2 ppm	Barium (Ba)	50 ppm	< 50 ppm	Cadmium (Cd)	0.2 ppm	< 0.2 ppm	Cobalt (Co)	25 ppm	< 25 ppm	Chromium (Cr), VI	0.2 ppm	< 0.2 ppm	Copper (Cu), soluble	25 ppm	< 25 ppm	Mercury (Hg)	0.2 ppm	< 0.2 ppm	Nickel (Ni)	As low as technically achievable	< 0.5 ppm	Lead (Pb)	2 ppm	< 2 ppm	Selenium (Se)	2 ppm	< 2 ppm	Antimony (Sb)	2 ppm	< 2 ppm	Tin (Sn)	50 ppm	< 50 ppm	Zinc (Zn)	50 ppm	< 50 ppm		
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PAH and BaP, Part 4 Investigation of 16 compounds of Polycyclic hydrocarbons incl. Benzene-a-pyrene acc. to EU Resolution ResAP(2008)1 Methods acc. to EPA, ZEK 2008-01 Detection limit: PAH 0.05 ppm as total, BaP 0.5 ppb Limit: PAH 0.5 ppm as total, BaP 5 ppb	<table border="0"> <tr> <td>Naphthalene</td> <td style="text-align: right;">0.01 ppm</td> </tr> <tr> <td>Acenaphthylene</td> <td style="text-align: right;">0.02 ppm</td> </tr> <tr> <td>Acenaphthene</td> <td style="text-align: right;">0.03 ppm</td> </tr> <tr> <td>Fluorene</td> <td style="text-align: right;">0.08 ppm</td> </tr> <tr> <td>Pyrene</td> <td style="text-align: right;">0.02 ppm</td> </tr> <tr> <td>total:</td> <td style="text-align: right;">0.16 ppm</td> </tr> </table>	Naphthalene	0.01 ppm	Acenaphthylene	0.02 ppm	Acenaphthene	0.03 ppm	Fluorene	0.08 ppm	Pyrene	0.02 ppm	total:	0.16 ppm	yes																														
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result	passed																																											



HRB 35-412



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CTL GmbH Bielefeld, Chemical-Technological Laboratory
Kröcksestraße 12, 33659, Bielefeld, Germany



CERTIFICATE

YOUR REFERENCE: Mr Rubino
YOUR LETTER DATED: 03rd August 2009
ARRIVAL DATE C.T.L.: 12th August 2009
DATE: 01st September 2009
CTL NO: 81892/2
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	92-67-1
---		Benzidine	202-189-1	92-87-5
---		4-Chloro-o-toluidine	202-411-6	95-89-2
---		2-Naphthylamine	202-080-4	91-59-8
---		o-Aminoazotoluene	202-591-2	97-56-3
---		5-Nitro-o-toluidine	202-765-8	99-55-8
---		4-Chloroaniline	203-401-0	106-47-8
---		4-Methoxy-m-phenylenediamine	210-406-1	615-05-4
---		4,4'-Methylenedianiline	202-974-4	101-77-6
---		3,3'-Dichlorobenzidine	202-109-0	91-94-1
---		3,3'-Dimethoxybenzidine	204-355-4	119-90-4
---		3,3'-Dimethylbenzidine	204-358-0	119-93-7
---		4,4'-Methylenedi-o-toluidine	212-658-8	838-88-0
---		6-Methoxy-m-toluidine	204-419-1	120-71-8
---		4,4'-Methylenebis-(2-chloroaniline)	202-818-9	101-14-4
---		4-Methyl-m-phenylenediamine	202-453-1	95-80-7
---		o-Anisidine	201-863-1	90-04-0
---		4-Aminoazobenzene	200-453-6	60-09-3
---		6-Amino-2-ethoxynaphthaline	---	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, B 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	205-370-9	139-65-1
---		o-Toluidine	202-429-0	88-53-4
---		2,4,5-Trimethylaniline	205-282-0	137-17-7
---		Para-phenylenediamine	2003-404-1	106-50-3
---		2,4 Xylidine	---	95-68-1
---		2,6 Xylidine	---	87-62-7

(---) = below detection limit; The investigation was carried out using GC/MS and HPLC according to § 64 LFGB, B 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



HRB 35-412



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CTL[®] GmbH Bielefeld, Chemical-Technological Laboratory
Krackenstrasse 12, 33659, Bielefeld, Germany**CERTIFICATE**

YOUR REFERENCE: Mr Rubino
 YOUR LETTER DATED: 03rd August 2009
 ARRIVAL DATE CTL: 12th August 2009
 DATE: 01st September 2009
 CTL NO: 61552/2
 SAMPLE: 1 sample of a tattoo pigment
 COLOUR: Tattoo Outlining Ink

www.ctl-bielefeld.de

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	3751-53-3
---		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	2390-80-5
---		Basic Green 7	42040	633-03-4
---		Basic Red 1	45160	989-38-8
---		Basic Red 9	42500	589-61-9
---		Basic Violet 1	42535	8004-87-3
---		Basic Violet 10	45170	81-88-9
---		Basic Violet 3	42555	548-62-9
---		Disperse Blue 1	64500	2475-45-8
---		Disperse Blue 106		12223-01-7
---		Disperse Blue 124		61951-51-7
---		Disperse Blue 3	61505	2475-48-9
---		Disperse Blue 35		12222-75-2
---		Disperse Orange 3	11005	730-40-5
---		Disperse Orange 37		12223-33-5
---		Disperse Red 1	11110	2872-52-8
---		Disperse Red 17	11210	3179-89-3
---		Disperse Yellow 3	11855	2832-40-8
---		Disperse Yellow 9	10375	6373-73-5
---		Pigment Orange 5	12075	3468-83-7
---		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-E
---		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	11900	60-08-3
---		Solvent Yellow 2	11920	60-11-7
---		Solvent Yellow 3	11160	97-56-3

(---) = 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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Chemical & Biological Laboratory

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 Klockseesrasse 12, 33659, Bielefeld, Germany

CERTIFICATE

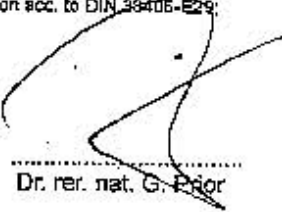
YOUR REFERENCE: Mr Rubin
 YOUR LETTER DATED: 03rd August 2009
 ARRIVAL DATE CTL: 12th August 2009
 DATE: 01st September 2009
 CTL NO: 81892/2
 SAMPLE: 1 sample of a tattoo pigment
 COLOUR: Tattoo Outlining Ink

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 38405-E29;
 Analysis acc. to EU ResAP(88)

 BIELEFELD, 01ST SEPTEMBER 2009


 Dr. rer. nat. G. Prior


CTL[®] GmbH Bielefeld

Chemical-Technological Laboratory

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HRB 35-412



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 CTL[®] GmbH Bielefeld, Chemical-Technological Laboratory
 Knackserstrasse 12, 33639, Bielefeld, Germany

CERTIFICATE

YOUR REFERENCE: Mr Rubino
 YOUR LETTER DATED: 23rd August 2008
 ARRIVAL DATE CTL: 12th August 2009
 DATE: 01st September 2009
 CTL NO: 61382/2
 SAMPLE: 1 sample of a tattoo pigment
 COLOUR: Tattoo Out-ringing 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
0.06	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 2003-01.

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: 0.16 ppm

 BIELEFELD, 01ST SEPTEMBER 2009

Dr. rer. nat. G. Prior


CTL GmbH Bielefeld

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HRB 35-412



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 CTL GmbH Bielefeld, Chemical-Technological Laboratory
 Krackpetersrasse 12, 33659, Bielefeld, Germany
CERTIFICATE

YOUR REFERENCE: Mr Rubino
 YOUR LETTER DATED: 09th August 2009
 ARRIVAL DATE CTL: 12th August 2009
 DATE: 01st September 2009
 CTL NO: 31852/2
 SAMPLE: 1 sample of a tattoo pigment
 COLOUR: Tattoo Outlining 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: $< 1.0 \times 10^6$ 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	
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 82.02-2,3,4,8 Detection limit: 1 ppm, Limit: 30 ppm	not detectable	passed 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 1987/548/EEC of 27 June 1987 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-E29; Analysis acc. to EU ResAP(89)1 Limit: Arsenic (As) 2 ppm Barium (Ba) 50 ppm Cadmium (Cd) 0.2 ppm Cobalt (Co) 25 ppm Chromium (Cr, VI) 0.2 ppm Copper (Cu), soluble 25 ppm Mercury (Hg) 0.2 ppm Nickel (Ni) As low as technically achievable Lead (Pb) 2 ppm Selenium (Se) 2 ppm Antimony (Sb) 2 ppm Tin (Sn) 50 ppm Zinc (Zn) 50 ppm	< 2 ppm < 50 ppm < 0.2 ppm < 25 ppm < 0.2 ppm < 25 ppm < 0.2 ppm < 0.2 ppm < 0.5 ppm < 2 ppm < 2 ppm < 2 ppm < 50 ppm < 50 ppm	yes
PAH and BaP, Part 4 Investigation of 16 compounds of Polycyclic hydrocarbons incl. Benzene-a-pyrene acc. to EU Resolution ResAP(2008)1 Methods acc. to EPA, ZEK 2008-01 Detection limit: PAH 0.05 ppm as total, BaP 0.5 ppb Limit: PAH 0.5 ppm as total, BaP 5 ppb	Phenanthrene 0.01 ppm Pyrene 0.01 ppm total: 0.02 ppm	yes
result	passed	

CTL Bielefeld GmbH

I. A. Marion Hahn


CTL GmbH Bielefeld

 Chemical-Technological Laboratory
 Krackestrasse 12, 33659, Bielefeld, Germany

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HRB 35-412



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 CTL GmbH Bielefeld, Chemical-Technological Laboratory
 Krackestrasse 12, 33659, Bielefeld, Germany

CERTIFICATE

 YOUR REFERENCE: Mr Rubinc
 YOUR LETTER DATED: 03rd August 2009
 ARRIVAL DATE CTL: 12th August 2009
 DATE: 01st September 2009
 CTL NO: B1892/3
 SAMPLE: 1 sample of a 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	82-67-1
---		Benzidine	202-199-1	82-87-5
---		4-Chloro-o-toluidine	202-411-6	95-69-2
---		2-Naphthylamine	202-080-4	91-59-8
---		o-Aminoazotoluene	202-591-2	87-56-3
---		5-Nitro-o-toluidine	202-736-8	89-55-8
---		4-Chloroaniline	203-401-0	106-47-8
---		4-Methoxy-m-phenylenediamine	210-406-1	615-05-4
---		4,4'-Methylenedianiline	202-974-4	101-77-9
---		3,3'-Dichlorobenzidine	202-109-0	91-94-1
---		3,3'-Dimethoxybenzidine	204-355-4	119-90-4
---		3,3'-Dimethylbenzidine	204-358-0	119-93-7
---		4,4'-Methylenedi-o-toluidine	212-868-8	838-88-0
---		6-Methoxy-m-toluidine	204-419-*	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	201-963-1	90-04-0
---		4-Aminoazobenzene	200-453-6	60-09-3
---		6-Amino-2-ethoxynaphthaline	---	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, B 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 1967/648/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	139-65-1
---		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	---	95-68-1
---		2,6 Xylidine	---	87-62-7

 (---) = below detection limit; The investigation was carried out using GC/MS and HPLC according to § 64 LFGB, B 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


CTL[®] GmbH Bielefeld

Chemical-Technological Laboratory

Kraackstrasse 12, 33659, Bielefeld, Germany

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HRB 35-412



wir helfen, beraten und prüfen

 CTL[®] GmbH Bielefeld, Chemical-Technological Laboratory
 Kraackstrasse 12, 33659, Bielefeld, Germany

CERTIFICATE

 YOUR REFERENCE: M^r Rubio
 YOUR LETTER DATED: 05th August 2009
 ARRIVAL DATE CTL: 12th August 2009
 DATE: 01st September 2009
 CTL NO: 61892/E
 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	3761-53-3
---		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	2390-80-5
---		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	81-88-9
---		Basic Violet 3	42555	548-62-9
---		Disperse Blue 1	64500	2475-45-8
---		Disperse Blue 106		12223-01-7
---		Disperse Blue 124		61951-51-7
---		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	2872-52-8
---		Disperse Red 17	11210	3179-89-3
---		Disperse Yellow 3	11855	2832-40-8
---		Disperse Yellow 9	10375	6373-73-5
---		Pigment Orange 5	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	86-83-6
---		Solvent Red 49	45170:1	509-34-2
---		Solvent Violet 9	42555:1	467-63-0
---		Solvent Yellow 1	1100C	6C-09-3
---		Solvent Yellow 2	1102C	3C-11-7
---		Solvent Yellow 3	11160	97-56-3

 (---) = 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

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HRB 35-412



wir helfen, beraten und prüfen

 CTL GmbH Bielefeld, Chemical-Technological Laboratory
 Krackstrasse 12, 33659, Bielefeld, Germany

CERTIFICATE

 YOUR REFERENCE: Mr Rubino
 YOUR LETTER DATED: 03rd August 2009
 ARRIVAL DATE CTL: 12th August 2009
 DATE: 01st September 2009
 CTL NO: 81892/3
 SAMPLE: 1 sample of a tattoo pigment
 COLOUR: Graywash Shading Ink


www.ctl-tattoo.de

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 69406-E29;
 Analysis acc. to EU ResAP(89)1

 BIELEFELD, 01ST SEPTEMBER 2009


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HRB 35-412



wir helfen, beraten und prüfen

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

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 a tattoo pigment
 COLOUR: Graywash Shading 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
---		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, ZEK 2008-01.

Detection limit: PAH 0.05 ppm as total, Benz-a-pyrene 0.5 pcb. 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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HR3 35-412



wir helfen, beraten und prüfen

 CTL GmbH Bielefeld, Chemical-Technological Laboratory
 Kraackstrasse 12, 33639, Bielefeld, Germany

CERTIFICATE

YOUR REFERENCE: Mr Rubino
 YOUR LETTER DATED: 03rd August 2009
 ARRIVAL DATE CTL: 12th August 2009
 DATE: 01st September 2009
 CTL NO: 61882/3
 SAMPLE: 1 sample of a tattoo pigment
 COLOUR: Graywash Shading 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: 1.0×10^0 CFU/g

Result: not detectable

 BIELEFELD, 01ST SEPTEMBER 2009


 Dr. rer. nat. G. Prior