



CTL[®] GmbH
CHEMICAL TECHNOLOGICAL LABORATORY

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

Eli Songco - Biotouch Inc.
Paseo del Prado
CA 91 Walnut
USA

CTL [®] -No	344783/1-3
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[Order date] 10th August 2010

[Delivery date] 10th August 2010

[Date] 27th August 2010

Overview of Results acc. to EU ResAP(2008)1

CTL-NO	COLOUR	PASSED/FAILED	REASON FOR FAIL (IF APPLICABLE)
1	black	PASSED	---
2	yellow	PASSED	---
3	velvet red	PASSED	---

BIELEFELD, 27TH AUGUST 2010


Dr. rer. nat. G. Prior

[GB] The denoted results are only valid for the tested sample. Without our written consent no single part of this report is allowed to be forwarded to third parties.

Bank Sparkasse Gütersloh
Account No 400 53 45
Bank Code 478 500 65
SWIFT/BIC WELADED 1 GTL
IBAN DE 87 47850065 000 4005345

Address Krackser Straße 12
33659 Bielefeld, Germany
Managing Director Dr. rer. nat. Gerald Prior
Based in Bielefeld
Register of Companies AG Bielefeld, HRB 35-412
VAT ID No DE 176 26 5000

[fon] +49 521 400 82 89 0
[fax] +49 521 400 82 89 29
[mail] info@ctl-bielefeld.de
ctl-bielefeld.de
ctl-tattoo.net
ctl-pmu.net



CTL® GmbH

CHEMICAL TECHNOLOGICAL LABORATORY

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

Eli Songco - Biotouch Inc.
Mr. Huang
Paseo del Prado
CA 91 Walnut
USA

Bettina Kaiser
[fon] +49 521 400 82 89 17
[fax] +49 521 400 82 89 29
[mail] logistikT@ctl-bielefeld.de

[Date of order] 10.08.2010
[Date of delivery] 10.08.2010
[Date] 27.08.2010

CTL®-No	344783
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Test results

[Contact person] Mr Huang
[Article] samples of a tattoo colour
[Colours] black, yellow, velvet red
[Order] Testing according to Resolution ResAP(2008)1
on requirements and criteria for the safety of tattoos and permanent make-up

» 1/8

[DE] Die Prüfergebnisse beziehen sich ausschließlich auf die Prüfgegenstände. Ohne schriftliche Genehmigung darf der Prüfbericht nicht auszugsweise vervielfältigt werden.

[GB] The denoted results are only valid for the tested sample. Without our written consent no single part of this report is allowed to be forwarded to third parties.

[F] Le résultat des examens se réfère uniquement aux objets testés. Sans autorisation écrite, le résultat des examens ne doit pas être partiellement reproduit.

[NL] De testresultaten hebben uitsluitend betrekking op de testobjecten. Zonder schriftelijke toestemming mag het testrapport niet in uittreksel worden verspreid.

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ctl-tattoo.net
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CTL®-No 344783/1

[Article] sample of a tattoo colour

[Colour] black

				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; Legal Limit: ≤ 30 ppm			not detectable			
Biphenyl-4-ylamine	-	4-Methoxy-m-phenylenediamine	-	4,4'-Methylenebis-(2-chloroaniline)	-	yes
Benzidine	-	4,4'-Methylenedianiline	-	4-Methyl-m-phenylenediamine	-	
4-Chloro-o-toluidine	-	3,3'-Dichlorobenzidine	-	o-Anisidine	-	
2-Naphthylamine	-	3,3'-Dimethoxybenzidine	-	4-Aminoazobenzene	-	
o-Aminoazotoluene	-	3,3'-Dimethylbenzidine	-	6-Amino-2-ethoxynaphthaline	-	
5-Nitro-o-toluidine	-	4,4'-Methylenedi-o-toluidine	-	4-Amino-3-fluorophenol	-	
4-Chloroaniline	-	6-Methoxy-m-toluidine	-			
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	
4,4'-Oxydianiline	-	2,4,5-Trimethylaniline	-	2,6-Xylidine		-
4,4'-Thiodianiline	-	Para-phenylenediamine	-			
o-Toluidine	-	2,4-Xylidine	-			
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	
Acid Green 16	-	Disperse Blue 1	-	Pigment Red 53		-
Acid Red 26	-	Disperse Blue 106	-	Pigment Violet 3		-
Acid Violet 17	-	Disperse Blue 124	-	Pigment Violet 39		-
Acid Violet 49	-	Disperse Blue 3	-	Solvent Blue 35		-
Acid Yellow 36	-	Disperse Blue 35	-	Solvent Orange 7		-
Basic Blue 7	-	Disperse Orange 3	-	Solvent Red 24		-
Basic Green 1	-	Disperse Orange 37	-	Solvent Red 49		-
Basic Red 1	-	Disperse Red 1	-	Solvent Violet 9		-
Basic Red 9	-	Disperse Red 17	-	Solvent Yellow 1		-
Basic Violet 1	-	Disperse Yellow 3	-	Solvent Yellow 2		-
Basic Violet 10	-	Disperse Yellow 9	-	Solvent Yellow 3		-
Basic Violet 3	-	Pigment Orange 5	-			

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[Homepage] ctl-tattoo.net
ctl-pmu.net



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CTL®-No

344783/1

[Article]

sample of a tattoo colour

[Colour]

black

			passed
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
	Limit	Amount	
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	
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			yes
Naphthalene -	Fluoranthene -	Dibenzo(a,h)anthracene -	
Acenaphthylene -	Pyrene -	Indo (1,2,3-cd)pyrene -	
Acenaphthene -	Benz(a)anthracene -	Benzo(g,h,i)perylene -	
Fluorene -	Chrysene -	Benzene-a-pyrene (BaP) -	
Phenanthrene 0.10 ppm	Benzo(b)fluoranthene -		
Anthracene -	Benzo(k)fluoranthene -	Total 0.10 ppm	
Sterility (microbiological test), Part 5 Investigation of pseudomonads (King A + B) acc. to EU Resolution ResAP(2008)1 Methods: Oxidase test Detection limit: < 1.0 x 10 ¹ CFU/g		not detectable	yes
Result: passed			

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CTL [®] -No	344783/1
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[Article] sample of a tattoo colour

[Colour] black

Test	Test procedure/Test method	Result
Anaerobes sulfite-reducing sporulating bacteria	ASU §64 LFGB L59.00-4	< 1.0 x 10 ¹ CFU/g
Aerobes mesophilic sporulating bacteria	angel. ASU §64 LFGB L06.00-18	< 1.0 x 10 ¹ CFU/g

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[fax] +49 521 400 82 89 29
[mail] info@ctl-bielefeld.de
[Homepage] ctl-bielefeld.de
ctl-tattoo.net
ctl-pmu.net



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CTL®-No	344783/2
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[Article] sample of a tattoo colour

[Colour] yellow

			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; Legal Limit: ≤ 30 ppm			yes
Biphenyl-4-ylamine -	4-Methoxy-m-phenylenediamine -	4,4'-Methylenbis-(2-chloroaniline) -	
Benzidine -	4,4'-Methylenedianiline -	4-Methyl-m-phenylenediamine -	
4-Chloro-o-toluidine -	3,3'-Dichlorobenzidine -	o-Anisidine -	
2-Naphthylamine -	3,3'-Dimethoxybenzidine -	4-Aminoazobenzene -	
o-Aminoazotoluene -	3,3'-Dimethylbenzidine -	6-Amino-2-ethoxynaphthalene -	
5-Nitro-o-toluidine -	4,4'-Methylenedi-o-toluidine -	4-Amino-3-fluorophenol -	
4-Chloroaniline -	6-Methoxy-m-toluidine -		
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			yes
4,4'-Oxydianiline -	2,4,5-Trimethylaniline -	2,6-Xylidine -	
4,4'-Thiodianiline -	Para-phenylenediamine -		
o-Toluidine -	2,4-Xylidine -		
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			yes
Acid Green 16 -	Disperse Blue 1 -	Pigment Red 53 -	
Acid Red 26 -	Disperse Blue 106 -	Pigment Violet 3 -	
Acid Violet 17 -	Disperse Blue 124 -	Pigment Violet 39 -	
Acid Violet 49 -	Disperse Blue 3 -	Solvent Blue 35 -	
Acid Yellow 36 -	Disperse Blue 35 -	Solvent Orange 7 -	
Basic Blue 7 -	Disperse Orange 3 -	Solvent Red 24 -	
Basic Green 1 -	Disperse Orange 37 -	Solvent Red 49 -	
Basic Red 1 -	Disperse Red 1 -	Solvent Violet 9 -	
Basic Red 9 -	Disperse Red 17 -	Solvent Yellow 1 -	
Basic Violet 1 -	Disperse Yellow 3 -	Solvent Yellow 2 -	
Basic Violet 10 -	Disperse Yellow 9 -	Solvent Yellow 3 -	
Basic Violet 3 -	Pigment Orange 5 -		

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SWIFT/BIG WELADED 1 GTL
IBAN DE 87 47850065 000 4005345

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VAT ID No DE 176 26 5000

[fon] +49 521 400 82 89 0
[fax] +49 521 400 82 89 29
[mail] info@ctl-bielefeld.de
[Homepage] ctl-bielefeld.de
ctl-tattoo.net
ctl-pmu.net



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CTL®-No 344783/2

[Article] sample of a tattoo colour

[Colour] yellow

			passed
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
	Limit	Amount	
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	
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, ZEN 2008-01 Detection limit: PAH 0.05 ppm as total, BaP 0.5 ppb Limit: PAH 0.5 ppm as total, BaP 5 ppb			yes
Naphthalene -	Fluoranthene -	Dibenzo(a,h)anthracene -	
Acenaphthylene -	Pyrene -	Indo (1,2,3-cd)pyrene -	
Acenaphthene -	Benz(a)anthracene -	Benzo(g,h,i)perylene -	
Fluorene -	Chrysene -	Benzene-a-pyrene (BaP) -	
Phenanthrene 0.5 ppm	Benzo(b)fluoranthene -		
Anthracene -	Benzo(k)fluoranthene -	Total 0.5 ppm	
Sterility (microbiological test), Part 5 Investigation of pseudomonads (King A + B) acc. to EU Resolution ResAP(2008)1 Methods: Oxidase test Detection limit: < 1.0 x 10 ¹ CFU/g			
Result: passed			



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CTL®-No 344783/3

[Article] sample of a tattoo colour

[Colour] velvet red

			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; Legal Limit: ≤ 30 ppm			yes
Biphenyl-4-ylamine -	4-Methoxy-m-phenylenediamine -	4,4'-Methylenebis-(2-chloroaniline) -	
Benzidine -	4,4'-Methylenedianiline -	4-Methyl-m-phenylenediamine -	
4-Chloro-o-toluidine -	3,3'-Dichlorobenzidine -	o-Anisidine -	
2-Naphthylamine -	3,3'-Dimethoxybenzidine -	4-Aminoazobenzene -	
o-Aminoazotoluene -	3,3'-Dimethylbenzidine -	6-Amino-2-ethoxynaphthalene -	
5-Nitro-o-toluidine -	4,4'-Methylenedi-o-toluidine -	4-Amino-3-fluorophenol -	
4-Chloroaniline -	6-Methoxy-m-toluidine -		
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			yes
4,4'-Oxydianiline -	2,4,5-Trimethylaniline -	2,6-Xylidine -	
4,4'-Thiodianiline -	Para-phenylenediamine -		
o-Toluidine -	2,4-Xylidine -		
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			yes
Acid Green 16 -	Disperse Blue 1 -	Pigment Red 53 -	
Acid Red 26 -	Disperse Blue 106 -	Pigment Violet 3 -	
Acid Violet 17 -	Disperse Blue 124 -	Pigment Violet 39 -	
Acid Violet 49 -	Disperse Blue 3 -	Solvent Blue 35 -	
Acid Yellow 36 -	Disperse Blue 35 -	Solvent Orange 7 -	
Basic Blue 7 -	Disperse Orange 3 -	Solvent Red 24 -	
Basic Green 1 -	Disperse Orange 37 -	Solvent Red 49 -	
Basic Red 1 -	Disperse Red 1 -	Solvent Violet 9 -	
Basic Red 9 -	Disperse Red 17 -	Solvent Yellow 1 -	
Basic Violet 1 -	Disperse Yellow 3 -	Solvent Yellow 2 -	
Basic Violet 10 -	Disperse Yellow 9 -	Solvent Yellow 3 -	
Basic Violet 3 -	Pigment Orange 5 -		

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344783/3

[Article]

sample of a tattoo colour

[Colour]

velvet red

			passed
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
	Limit	Amount	
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	
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Copper (Cu), soluble	25 ppm	< 25 ppm	
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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	
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			yes
Naphthalene -	Fluoranthene -	Dibenzo(a,h)anthracene -	
Acenaphthylene -	Pyrene -	Indo (1,2,3-cd)pyrene -	
Acenaphthene -	Benz(a)anthracene -	Benzo(g,h,i)perylene -	
Fluorene -	Chrysene -	Benzene-a-pyrene (BaP) -	
Phenanthrene -	Benzo(b)fluoranthene -		
Anthracene -	Benzo(k)fluoranthene -	Total	
Sterility (microbiological test), Part 5 Investigation of pseudomonads (King A + B) acc. to EU Resolution ResAP(2008)1 Methods: Oxidase test Detection limit: < 1.0 x 10 ¹ CFU/g			
Result: passed			

Yours sincerely

CTL® GmbH Bielefeld
i.A. Bettina Kaiser

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[Order date] 10th August 2010

[Delivery date] 10th August 2010

[Date] 27th August 2010

Certificate

[Article] sample of a tattoo colour

[Colour] black

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

Part 1a Investigation of aromatic amines with carcinogenic, mutagenic, reprotoxic and sensitising properties according to EU Resolution ResAP(2008)1 Detection limit: 1 ppm; Legal Limit: ≤ 30 ppm				§ 64 LFGB 82.02-2,3,4,9 GC/MS Analysis HPLC Analysis			
Amount	Amine	EC-No.	GAS-No.	Amount	Amine	EC-No.	GAS-No.
---	Biphenyl-4-ylamine	202-177-1	92-67-1	---	3,3'-Dimethoxybenzidine	204-355-4	119-90-4
---	Benzidine	202-199-1	92-87-5	---	3,3'-Dimethylbenzidine	204-358-0	119-93-7
---	4-Chloro-o-toluidine	202-411-6	95-69-2	---	4,4'-Methylenedi-o-toluidine	212-658-8	838-88-0
---	2-Naphthylamine	202-080-4	91-59-8	---	6-Methoxy-m-toluidine	204-419-1	120-71-8
---	o-Aminoazotoluene	202-591-2	97-56-3	---	4,4'-Methylenebis-(2-chloroaniline)	202-918-9	101-14-4
---	5-Nitro-o-toluidine	202-765-8	99-55-8	---	4-Methyl-m-phenylenediamine	202-453-1	95-80-7
---	4-Chloroaniline	203-401-0	106-47-8	---	o-Anisidine	201-963-1	90-04-0
---	4-Methoxy-m-phenylenediamine	210-406-1	615-05-4	---	4-Aminoazobenzene	200-453-6	60-09-3
---	4,4'-Methylenedianiline	202-974-4	101-77-9	---	6-Amino-2-ethoxynaphthalene	---	293733-21-8
---	3,3'-Dichlorobenzidine	202-109-0	91-94-1	---	4-Amino-3-fluorophenol	418-230-9	399-95-1
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 Detection limit: 1 ppm				§ 64 LFGB 82.02-2,3,4,9 GC/MS Analysis HPLC Analysis			
Amount	Amine	EC-No.	GAS-No.	Amount	Amine	EC-No.	GAS-No.
---	4,4'-Oxydianiline	202-977-0	101-80-4	---	Para-phenylenediamine	2003-404-7	106-50-3
---	4,4'-Thiodianiline	205-370-9	139-65-1	---	2,4 Xylidine	---	95-68-1
---	o-Toluidine	202-429-0	95-53-4	---	2,6 Xylidine	---	87-62-7
---	2,4,5-Trimethylaniline	205-282-0	137-17-7				

BIELEFELD, 27TH AUGUST 2010

Dr. rer. nat. G. Prior

[---] = below detection limit

[GB] The denoted results are only valid for the tested sample. Without our written consent no single part of this report is allowed to be forwarded to third parties.

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Certificate

[Article] sample of a tattoo colour

[Colour] yellow

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

Part 1a Investigation of aromatic amines with carcinogenic, mutagenic, reprotoxic and sensitising properties according to EU Resolution ResAP(2008)1 Detection limit: 1 ppm; Legal Limit: ≤ 30 ppm				§ 64 LFGB 82.02-2,3,4,9 GC/MS Analysis HPLC Analysis			
Amount	Amine	EC-No.	GAS-No.	Amount	Amine	EC-No.	GAS-No.
---	Biphenyl-4-ylamine	202-177-1	92-67-1	---	3,3'-Dimethoxybenzidine	204-355-4	119-90-4
---	Benzidine	202-199-1	92-87-5	---	3,3'-Dimethylbenzidine	204-358-0	119-93-7
---	4-Chloro-o-toluidine	202-411-6	95-69-2	---	4,4'-Methylenedi-o-toluidine	212-658-8	838-88-0
---	2-Naphthylamine	202-080-4	91-59-8	---	6-Methoxy-m-toluidine	204-419-1	120-71-8
---	o-Aminoazotoluene	202-591-2	97-56-3	---	4,4'-Methylenebis-(2-chloroaniline)	202-918-9	101-14-4
---	5-Nitro-o-toluidine	202-765-8	99-55-8	---	4-Methyl-m-phenylenediamine	202-453-1	95-80-7
---	4-Chloroaniline	203-401-0	106-47-8	---	o-Anisidine	201-963-1	90-04-0
---	4-Methoxy-m-phenylenediamine	210-406-1	615-05-4	---	4-Aminoazobenzene	200-453-6	60-09-3
---	4,4'-Methylenedianiline	202-974-4	101-77-9	---	6-Amino-2-ethoxynaphthaline	---	293733-21-8
---	3,3'-Dichlorobenzidine	202-109-0	91-94-1	---	4-Amino-3-fluorophenol	418-230-9	399-95-1
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 Detection limit: 1 ppm				§ 64 LFGB 82.02-2,3,4,9 GC/MS Analysis HPLC Analysis			
Amount	Amine	EC-No.	GAS-No.	Amount	Amine	EC-No.	GAS-No.
---	4,4'-Oxydianiline	202-977-0	101-80-4	---	Para-phenylenediamine	2003-404-7	106-50-3
---	4,4'-Thiodianiline	205-370-9	139-65-1	---	2,4 Xyldine	---	95-68-1
---	o-Toluidine	202-429-0	95-53-4	---	2,6 Xyldine	---	87-62-7
---	2,4,5-Trimethylaniline	205-282-0	137-17-7				

BIELEFELD, 27TH AUGUST 2010

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(---) = below detection limit

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Bank Sparkasse Gütersloh
Account No 400 63 45
Bank Code 478 500 65
SWIFT/BIG WELADED 1 GTL
IBAN DE 87 47850065 000 4005345

Address Krackser Straße 12
33659 Bielefeld, Germany
Managing Director Dr. rer. nat. Gerald Prior
Based in Bielefeld
Register of Companies AG Bielefeld, HRB 35-412
VAT ID No DE 176 26 5000

[con] +49 521 400 82 89 0
[fax] +49 521 400 82 89 29
[mail] info@ctl-bielefeld.de
[Homepage] ctl-bielefeld.de
ctl-tattoo.net
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[Order date] 10th August 2010

[Delivery date] 10th August 2010

[Date] 27th August 2010

Certificate

[Article] sample of a tattoo colour

[Colour] velvet red

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

Part 1a				§ 64 LFGB 82.02-2,3,4,9			
Investigation of aromatic amines with carcinogenic, mutagenic, reprotoxic and sensitising properties according to EU Resolution ResAP(2008)1 Detection limit: 1 ppm; Legal Limit: ≤ 30 ppm				GC/MS Analysis HPLC Analysis			
Amount	Amine	EC-No.	GAS-No.	Amount	Amine	EC-No.	GAS-No.
---	Biphenyl-4-ylamine	202-177-1	92-67-1	---	3,3'-Dimethoxybenzidine	204-355-4	119-90-4
---	Benzidine	202-199-1	92-87-5	---	3,3'-Dimethylbenzidine	204-358-0	119-93-7
---	4-Chloro-o-toluidine	202-411-6	95-69-2	---	4,4'-Methylenedi-o-toluidine	212-658-8	838-88-0
---	2-Naphthylamine	202-080-4	91-59-8	---	6-Methoxy-m-toluidine	204-419-1	120-71-8
---	o-Aminoazotoluene	202-591-2	97-56-3	---	4,4'-Methylenebis-(2-chloroaniline)	202-918-9	101-14-4
---	5-Nitro-o-toluidine	202-765-8	99-55-8	---	4-Methyl-m-phenylenediamine	202-453-1	95-80-7
---	4-Chloroaniline*	203-401-0	106-47-8	---	o-Anisidine	201-963-1	90-04-0
---	4-Methoxy-m-phenylenediamine	210-406-1	615-05-4	---	4-Aminoazobenzene	200-453-6	60-09-3
---	4,4'-Methylenedianiline	202-974-4	101-77-9	---	6-Amino-2-ethoxynaphthalene	---	293733-21-8
---	3,3'-Dichlorobenzidine	202-109-0	91-94-1	---	4-Amino-3-fluorophenol	418-230-9	399-95-1
Part 1b				§ 64 LFGB 82.02-2,3,4,9			
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 Detection limit: 1 ppm				GC/MS Analysis HPLC Analysis			
Amount	Amine	EC-No.	GAS-No.	Amount	Amine	EC-No.	GAS-No.
---	4,4'-Oxydianiline	202-977-0	101-80-4	---	Para-phenylenediamine	2003-404-7	106-50-3
---	4,4'-Thiodianiline	205-370-9	139-65-1	---	2,4 Xylidine	---	95-68-1
---	o-Toluidine	202-429-0	95-53-4	---	2,6 Xylidine	---	87-62-7
---	2,4,5-Trimethylaniline	205-282-0	137-17-7				

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Account No 400 53 45
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SWIFT/BIG WELADED 1 GTL
IBAN DE 87 47850065 000 4005345

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33659 Bielefeld, Germany
Managing Director Dr. rer. nat. Gerald Prior
Based in Bielefeld
Register of Companies AG Bielefeld, HRB 35-412
VAT ID No DE 176 26 5000

[fon] +49 521 400 82 89 0
[fax] +49 521 400 82 89 29
[mail] info@ctl-bielefeld.de
[Homepage] ctl-bielefeld.de
ctl-tattoo.net
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[Date] 27th August 2010

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[Article] sample of a tattoo colour
[Colour] black
[Test] acc. to EU Resolution ResAP(2008)1: Part 2

Part 2 Investigation of Dyestuffs according to EU 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	Colourant	CI-No.	GAS-No.	Amount	Colourant	CI-No.	GAS-No.
---	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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Bank Sparkasse Gütersloh
Account No 400 53 45
Bank Code 478 500 65
SWIFT/BIC WELADED1 GTL
IBAN DE 87 47850065 000 4005345

Address Krackser Straße 12
33659 Bielefeld, Germany
Managing Director Dr. rer. nat. Gerald Prior
Based in Bielefeld
Register of Companies AG Bielefeld, HRB 35-412
VAT ID No DE 176 26 5000

[fon] +49 521 400 82 89 0
[fax] +49 521 400 82 89 29
[mail] info@ctl-bielefeld.de
[Homepages] ctl-bielefeld.de
ctl-tattoo.net
ctl-pmu.net



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CTL® GmbH | Chemical-Technological Laboratory
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[Date] 27th August 2010

Certificate

[Article] sample of a tattoo colour
[Colour] yellow
[Test] acc. to EU Resolution ResAP(2008)1: Part 2

Part 2 Investigation of Dyestuffs according to EU 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	Colourant	CI-No.	GAS-No.	Amount	Colourant	CI-No.	GAS-No.
---	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				

BIELEFELD, 27TH AUGUST 2010

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[Article] sample of a tattoo colour
[Colour] velvet red
[Test] acc. to EU Resolution ResAP(2008)1: Part 2

Part 2 Investigation of Dyestuffs according to EU 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	Colourant	CI-No.	GAS-No.	Amount	Colourant	CI-No.	GAS-No.
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---	Acid Violet 17	42650	4129-84-4	---	Disperse Red 17	11210	3179-89-3
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---	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				

BIELEFELD, 27TH AUGUST 2010

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Bank Sparkasse Gütersloh
Account No 400 53 45
Bank Code 478 500 65
SWIFT/BIC WELADED 1 GTL
IBAN DE 87 47850065 000 4005345

Address Krackser Straße 12
33659 Bielefeld, Germany
Managing Director Dr. rer. nat. Gerald Prior
Based in Bielefeld
Register of Companies AG Bielefeld, HRB 35-412
VAT ID No DE 176 26 5000

[fon] +49 521 400 82 89 0
[fax] +49 521 400 82 89 29
[mail] info@ctl-bielefeld.de
[Homepage] ctl-bielefeld.de
ctl-tattoo.net
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CTL[®] GmbH
CHEMICAL TECHNOLOGICAL LABORATORY

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

Eli Songco - Biotouch Inc.
Paseo del Prado
CA 91 Walnut
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[Date] 27th August 2010

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[Article] sample of a tattoo colour
[Colour] black
[Test] acc. to EU Resolution ResAP(2008)1: Part 3

Part 3 Investigation of Heavy Metals according to EU Resolution ResAP(2008)1 Detection limit: 0.01 ppm			DIN 38406-E29 Analysis acc. to EU ResAP(89)1 extraction using acidic perspiration		
Amount (ppm)	Elements or compound	Limit (ppm)	Amount (ppm)	Elements or compound	Limit (ppm)
---	Arsenic (As)	2	---	Nickel (Ni)	As low as technically achievable
---	Barium (Ba)	50	---	Lead (Pb)	2
---	Cadmium (Cd)	0.2	---	Selenium (Se)	2
---	Cobalt (Co)	25	---	Antimony (Sb)	2
---	Chromium (Cr), VI	0.2	---	Tin (Sn)	50
---	Copper (Cu), soluble	25	---	Zinc (Zn)	50
---	Mercury (Hg)	0.2			

BIELEFELD, 27TH AUGUST 2010

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Account No 400 53 45
Bank Code 478 500 65
SWIFT/BIG WELADED 1 GTL
IBAN DE 87 47850065 000 4005345

Address Krackser Straße 12
33659 Bielefeld, Germany
Managing Director Dr. rer. nat. Gerald Prior
Based in Bielefeld
Register of Companies AG Bielefeld, HRB 35-412
VAT ID No DE 176 26 5000

[fon] +49 521 400 82 89 0
[fax] +49 521 400 82 89 29
[mail] info@ctl-bielefeld.de
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[Order date] 10th August 2010

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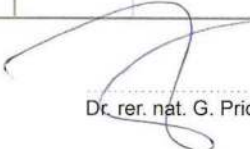
[Date] 27th August 2010

Certificate

[Article] sample of a tattoo colour
[Colour] yellow
[Test] acc. to EU Resolution ResAP(2008)1: Part 3

Part 3 Investigation of Heavy Metals according to EU Resolution ResAP(2008)1 Detection limit: 0.01 ppm			DIN 38406-E29 Analysis acc. to EU ResAP(89)1 extraction using acidic perspiration		
Amount (ppm)	Elements or compound	Limit (ppm)	Amount (ppm)	Elements or compound	Limit (ppm)
---	Arsenic (As)	2	---	Nickel (Ni)	As low as technically achievable
---	Barium (Ba)	50	---	Lead (Pb)	2
---	Cadmium (Cd)	0.2	---	Selenium (Se)	2
---	Cobalt (Co)	25	---	Antimony (Sb)	2
---	Chromium (Cr), VI	0.2	---	Tin (Sn)	50
---	Copper (Cu), soluble	25	---	Zinc (Zn)	50
---	Mercury (Hg)	0.2			

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Register of Companies AG Bielefeld, HRB 35-412
VAT ID No DE 176 26 5000

[fon] +49 521 400 82 89 0
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Certificate

[Article] sample of a tattoo colour
[Colour] velvet red
[Test] acc. to EU Resolution ResAP(2008)1: Part 3

Part 3 Investigation of Heavy Metals according to EU Resolution ResAP(2008)1 Detection limit: 0.01 ppm			DIN 38406-E29 Analysis acc. to EU ResAP(89)1 extraction using acidic perspiration		
Amount (ppm)	Elements or compound	Limit (ppm)	Amount (ppm)	Elements or compound	Limit (ppm)
---	Arsenic (As)	2	---	Nickel (Ni)	As low as technically achievable
---	Barium (Ba)	50	---	Lead (Pb)	2
---	Cadmium (Cd)	0.2	---	Selenium (Se)	2
---	Cobalt (Co)	25	---	Antimony (Sb)	2
---	Chromium (Cr), VI	0.2	---	Tin (Sn)	50
---	Copper (Cu), soluble	25	---	Zinc (Zn)	50
---	Mercury (Hg)	0.2			

BIELEFELD, 27TH AUGUST 2010

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Managing Director Dr. rer. nat. Gerald Prior
Based in Bielefeld
Register of Companies AG Bielefeld, HRB 35-412
VAT ID No DE 176 26 5000

[fon] +49 521 400 82 89 0
[fax] +49 521 400 82 89 29
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[Homepages] ctl-bielefeld.de
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[Order date] 10th August 2010
[Delivery date] 10th August 2010
[Date] 27th August 2010

Certificate

[Article] sample of a tattoo colour
[Colour] black
[Test] PAH and BAP acc. to EU Resolution ResAP(2008)1: Part 4

Part 4 Investigation of Polycyclic aromatic hydrocarbons (PAH) and Benzene-a-pyrene (BAP) according to ResAP(2008)1 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		EPA, ZEK 2008-01	
Amount	Elements or compound	Amount	Elements or compound
---	Naphthalene	---	Benz(a)anthracene
---	Acenaphthylene	---	Chrysene
---	Acenaphthene	---	Benzo(b)fluoranthene
---	Fluorene	---	Benzo(k)fluoranthene
0.10 ppm	Phenanthrene	---	Dibenzo(a,h)anthracene
---	Anthracene	---	Indo (1,2,3-cd)pyrene
---	Fluoranthene	---	Benzo(g,h,i)perylene
---	Pyrene	---	Benzene-a-pyrene (BaP)

Result as total: 0.10 ppm

BIELEFELD, 27TH AUGUST 2010


Dr. rer. nat. G. Prior

(--) = below detection limit

[16] The denoted results are only valid for the tested sample. Without our written consent no single part of this report is allowed to be forwarded to third parties.

Bank Sparkasse Gütersloh
Account No 400 53 45
Bank Code 478 500 65
SWIFT/BIC WELADED 1 GTL
IBAN DE 87 47850065 000 4005345

Address Krackser Straße 12
33659 Bielefeld, Germany
Managing Director Dr. rer. nat. Gerald Prior
Based in Bielefeld
Register of Companies AG Bielefeld, HRB 35-412
VAT ID No DE 176 26 5000

[fon] +49 521 400 82 89 0
[fax] +49 521 400 82 89 29
[mail] info@ctl-bielefeld.de
[Homepage] ctl-bielefeld.de
ctl-tattoo.net
ctl-pmu.net



CTL[®] GmbH
CHEMICAL TECHNOLOGICAL LABORATORY

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

Eli Songco - Biotouch Inc.
Paseo del Prado
CA 91 Walnut
USA

CTL [®] -No	344783/2
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[Order date] 10th August 2010

[Delivery date] 10th August 2010

[Date] 27th August 2010

Certificate

[Article] sample of a tattoo colour

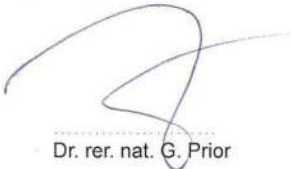
[Colour] yellow

[Test] PAH and BAP acc. to EU Resolution ResAP(2008)1: Part 4

Part 4 Investigation of Polycyclic aromatic hydrocarbons (PAH) and Benzene-a-pyrene (BAP) according to ResAP(2008)1 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		EPA, ZEK 2008-01	
Amount	Elements or compound	Amount	Elements or compound
---	Naphthalene	---	Benz(a)anthracene
---	Acenaphthylene	---	Chrysene
---	Acenaphthene	---	Benzo(b)fluoranthene
---	Fluorene	---	Benzo(k)fluoranthene
0.5 ppm	Phenanthrene	---	Dibenzo(a,h)anthracene
---	Anthracene	---	Indo (1,2,3-cd)pyrene
---	Fluoranthene	---	Benzo(g,h,i)perylene
---	Pyrene	---	Benzene-a-pyrene (BaP)

Result as total: 0.5 ppm

BIELEFELD, 27TH AUGUST 2010


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[---] = below detection limit

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IBAN DE 87 47850065 000 4005345

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Register of Companies AG Bielefeld, HRB 35-412
VAT ID No DE 176 26 5000

[fon] +49 521 400 82 89 0
[fax] +49 521 400 82 89 29
[mail] info@ctl-bielefeld.de
[Homepages] ctl-bielefeld.de
ctl-tattoo.net
ctl-pmu.net



CTL® GmbH
CHEMICAL TECHNOLOGICAL LABORATORY

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

Eli Songco - Biotouch Inc.
Paseo del Prado
CA 91 Walnut
USA

CTL®-No 344783/3

[Order date] 10th August 2010

[Delivery date] 10th August 2010

[Date] 27th August 2010

Certificate

[Article] sample of a tattoo colour

[Colour] velvet red

[Test] PAH and BAP acc. to EU Resolution ResAP(2008)1: Part 4

Part 4 Investigation of Polycyclic aromatic hydrocarbons (PAH) and Benzene-a-pyrene (BAP) according to ResAP(2008)1 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		EPA, ZEK 2008-01	
Amount	Elements or compound	Amount	Elements or compound
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---	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	---	Benzene-a-pyrene (BaP)

Result as total: 0.0 ppm

BIELEFELD, 27TH AUGUST 2010


Dr. rer. nat. G. Prior

(---) = below detection limit

[99] The denoted results are only valid for the tested sample. Without our written content no single part of this report is allowed to be forwarded to third parties.

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VAT ID No DE 176 26 5000

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[mail] info@ctl-bielefeld.de
[Homepages] ctl-bielefeld.de
ctl-tattoo.net
ctl-pmu.net