



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

Greybusters International GmbH
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10999 Berlin

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[Date of order] 17.04.2012
[Date of delivery] 18.04.2012
[Date] 15.05.2012

CTL[®]-No	352790
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Test results

[Contact person]	Ms Stumm
[Article]	4 samples of tattoo colours;
[Colour/Lot number]	Uni-Ultra-Black/# 0125122 C CTL-No 1 Pure Black/# 0101125 C CTL-No 2 Sumi Black/# 0102126 C CTL-No 3 Tribal Black/# 0120127 C CTL-No 4
[Order]	testing according to COE Resolution ResAP(2008)1 on requirements and criteria for the safety of tattoos and permanent make-up

► 1/10

[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 resultat 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 vermenigvuldigd.

Bank Sparkasse Gütersloh
Account No 400 53 45
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IBAN DE 87 47850065 000 4005345

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CTL [®] -No	352790/1
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[Article] sample of a tattoo colour
[Colour] Uni-Ultra-Black

				passed
Azo-dyestuffs, Part 1a Investigation of aromatic amines with carcinogenic, mutagenic, reprotoxic and sensitising properties according to COE Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm; limit: as low as technically avoidable				not detectable
Biphenyl-4-ylamine	-	4-Methoxy-m-phenylenediamine	-	yes
Benzidine	-	4,4'-Methylenedianiline	-	
4-Chloro-o-toluidine	-	3,3'-Dichlorobenzidine	-	
2-Naphthylamine	-	3,3'-Dimethoxybenzidine	-	
o-Aminoazotoluene	-	3,3'-Dimethylbenzidine	-	
5-Nitro-o-toluidine	-	4,4'-Methylenedi-o-toluidine	-	
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 COE Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm				
4,4'-Oxydianiline	-	2,4,5-Trimethylaniline	-	yes
4,4'-Thiodianiline	-	Para-phenylenediamine	-	
o-Toluidine	-	2,4-Xylidine	-	
Dyestuffs, Part 2 acc. to COE Resolution ResAP(2008)1 Methods: TLC-, HPLC-, GC/MS-analysis acc. to DIN 54231 Detection limit: 5 mg/L				not detectable
Acid Green 16	-	Disperse Blue 1	-	yes
Acid Red 26	-	Disperse Blue 106	-	
Acid Violet 17	-	Disperse Blue 124	-	
Acid Violet 49	-	Disperse Blue 3	-	
Acid Yellow 36	-	Disperse Blue 35	-	
Basic Blue 7	-	Disperse Orange 3	-	
Basic Green 1	-	Disperse Orange 37	-	
Basic Red 1	-	Disperse Red 1	-	
Basic Red 9	-	Disperse Red 17	-	
Basic Violet 1	-	Disperse Yellow 3	-	
Basic Violet 10	-	Disperse Yellow 9	-	
Basic Violet 3	-	Pigment Orange 5	-	
		Pigment Red 53	-	
		Pigment Violet 3	-	
		Pigment Violet 39	-	
		Solvent Blue 35	-	
		Solvent Orange 7	-	
		Solvent Red 24	-	
		Solvent Red 49	-	
		Solvent Violet 9	-	
		Solvent Yellow 1	-	
		Solvent Yellow 2	-	
		Solvent Yellow 3	-	

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CTL [®] -No	352790/1
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[Article] sample of a tattoo colour
[Colour] Uni-Ultra-Black

			passed			
Heavy metals, Part 3 acc. to COE Resolution ResAP(2008)1 Methods: extraction using acidic perspiration solution acc. to DIN 38406-E29; Analysis acc. to COE 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 COE 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	0.05 ppm	Benzo(b)fluoranthene		-		
Anthracene	-	Benzo(k)fluoranthene		-	Total	0.05 ppm
Sterility (microbiological test), Part 5 Investigation of pseudomonads (King A + B) acc. to COE Resolution ResAP (2008)1 Methods: Oxidase test Detection limit: 1.0 x 10 ¹ CFU/g			---			
Result: passed						



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CTL [®] -No	352790/2
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[Article] sample of a tattoo colour
[Colour] Pure Black

				passed
Azo-dyestuffs, Part 1a Investigation of aromatic amines with carcinogenic, mutagenic, reprotoxic and sensitising properties according to COE Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm; limit: as low as technically avoidable				not detectable
Biphenyl-4-ylamine	-	4-Methoxy-m-phenylenediamine	-	yes
Benzidine	-	4,4'-Methylenedianiline	-	
4-Chloro-o-toluidine	-	3,3'-Dichlorobenzidine	-	
2-Naphthylamine	-	3,3'-Dimethoxybenzidine	-	
o-Aminoazotoluene	-	3,3'-Dimethylbenzidine	-	
5-Nitro-o-toluidine	-	4,4'-Methylenedi-o-toluidine	-	
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 COE Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm				
4,4'-Oxydianiline	-	2,4,5-Trimethylaniline	-	yes
4,4'-Thiodianiline	-	Para-phenylenediamine	-	
o-Toluidine	-	2,4-Xylidine	-	
Dyestuffs, Part 2 acc. to COE Resolution ResAP(2008)1 Methods: TLC-, HPLC-, GC/MS-analysis acc. to DIN 54231 Detection limit: 5 mg/L				not detectable
Acid Green 16	-	Disperse Blue 1	-	yes
Acid Red 26	-	Disperse Blue 106	-	
Acid Violet 17	-	Disperse Blue 124	-	
Acid Violet 49	-	Disperse Blue 3	-	
Acid Yellow 36	-	Disperse Blue 35	-	
Basic Blue 7	-	Disperse Orange 3	-	
Basic Green 1	-	Disperse Orange 37	-	
Basic Red 1	-	Disperse Red 1	-	
Basic Red 9	-	Disperse Red 17	-	
Basic Violet 1	-	Disperse Yellow 3	-	
Basic Violet 10	-	Disperse Yellow 9	-	
Basic Violet 3	-	Pigment Orange 5	-	
		Pigment Red 53	-	
		Pigment Violet 3	-	
		Pigment Violet 39	-	
		Solvent Blue 35	-	
		Solvent Orange 7	-	
		Solvent Red 24	-	
		Solvent Red 49	-	
		Solvent Violet 9	-	
		Solvent Yellow 1	-	
		Solvent Yellow 2	-	
		Solvent Yellow 3	-	

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[Article] sample of a tattoo colour
[Colour] Pure Black

			passed			
Heavy metals, Part 3 acc. to COE Resolution ResAP(2008)1 Methods: extraction using acidic perspiration solution acc. to DIN 38406-E29; Analysis acc. to COE 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 COE 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	0.05 ppm	Benzo(b)fluoranthene		-		
Anthracene	-	Benzo(k)fluoranthene		-	Total	0.05 ppm
Sterility (microbiological test), Part 5 Investigation of pseudomonads (King A + B) acc. to COE Resolution ResAP (2008)1 Methods: Oxidase test Detection limit: 1.0 x 10 ¹ CFU/g						
Result: passed						

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CTL [®] -No	352790/3
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[Article] sample of a tattoo colour
[Colour] Sumi Black

				passed
Azo-dyestuffs, Part 1a Investigation of aromatic amines with carcinogenic, mutagenic, reprotoxic and sensitising properties according to COE Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm; limit: as low as technically avoidable				not detectable
Biphenyl-4-ylamine	-	4-Methoxy-m-phenylenediamine	-	yes
Benzidine	-	4,4'-Methylenedianiline	-	
4-Chloro-o-toluidine	-	3,3'-Dichlorobenzidine	-	
2-Naphthylamine	-	3,3'-Dimethoxybenzidine	-	
o-Aminoazotoluene	-	3,3'-Dimethylbenzidine	-	
5-Nitro-o-toluidine	-	4,4'-Methylenedi-o-toluidine	-	
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 COE Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm				
4,4'-Oxydianiline	-	2,4,5-Trimethylaniline	-	yes
4,4'-Thiodianiline	-	Para-phenylenediamine	-	
o-Toluidine	-	2,4-Xylidine	-	
Dyestuffs, Part 2 acc. to COE Resolution ResAP(2008)1 Methods: TLC-, HPLC-, GC/MS-analysis acc. to DIN 54231 Detection limit: 5 mg/L				not detectable
Acid Green 16	-	Disperse Blue 1	-	yes
Acid Red 26	-	Disperse Blue 106	-	
Acid Violet 17	-	Disperse Blue 124	-	
Acid Violet 49	-	Disperse Blue 3	-	
Acid Yellow 36	-	Disperse Blue 35	-	
Basic Blue 7	-	Disperse Orange 3	-	
Basic Green 1	-	Disperse Orange 37	-	
Basic Red 1	-	Disperse Red 1	-	
Basic Red 9	-	Disperse Red 17	-	
Basic Violet 1	-	Disperse Yellow 3	-	
Basic Violet 10	-	Disperse Yellow 9	-	
Basic Violet 3	-	Pigment Orange 5	-	
		Pigment Red 53	-	
		Pigment Violet 3	-	
		Pigment Violet 39	-	
		Solvent Blue 35	-	
		Solvent Orange 7	-	
		Solvent Red 24	-	
		Solvent Red 49	-	
		Solvent Violet 9	-	
		Solvent Yellow 1	-	
		Solvent Yellow 2	-	
		Solvent Yellow 3	-	

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CTL [®] -No	352790/3
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[Article] sample of a tattoo colour
[Colour] Sumi Black

			passed			
Heavy metals, Part 3 acc. to COE Resolution ResAP(2008)1 Methods: extraction using acidic perspiration solution acc. to DIN 38406-E29; Analysis acc. to COE 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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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 COE 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	0.05 ppm	Benzo(b)fluoranthene		-		
Anthracene	-	Benzo(k)fluoranthene		-	Total	0.05 ppm
Sterility (microbiological test), Part 5 Investigation of pseudomonads (King A + B) acc. to COE 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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[Article] sample of a tattoo colour
[Colour] Sumi Black

Test	Test procedure/Test method	Result
Anaerobes sulfite-reducing sporulating bacteria	acc. to ASU §64 LFGB L59.00-4	not detectable
Aerobes mesophilic sporulating bacteria	acc. to ASU §64 LFGB L06.00-18	not detectable

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CTL [®] -No	352790/4
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[Article] sample of a tattoo colour
[Colour] Tribal Black

				passed
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Biphenyl-4-ylamine	-	4-Methoxy-m-phenylenediamine	-	yes
Benzidine	-	4,4'-Methylenedianiline	-	
4-Chloro-o-toluidine	-	3,3'-Dichlorobenzidine	-	
2-Naphthylamine	-	3,3'-Dimethoxybenzidine	-	
o-Aminoazotoluene	-	3,3'-Dimethylbenzidine	-	
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Acid Green 16	-	Disperse Blue 1	-	yes
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Acid Violet 17	-	Disperse Blue 124	-	
Acid Violet 49	-	Disperse Blue 3	-	
Acid Yellow 36	-	Disperse Blue 35	-	
Basic Blue 7	-	Disperse Orange 3	-	
Basic Green 1	-	Disperse Orange 37	-	
Basic Red 1	-	Disperse Red 1	-	
Basic Red 9	-	Disperse Red 17	-	
Basic Violet 1	-	Disperse Yellow 3	-	
Basic Violet 10	-	Disperse Yellow 9	-	
Basic Violet 3	-	Pigment Orange 5	-	
		Pigment Red 53	-	
		Pigment Violet 3	-	
		Pigment Violet 39	-	
		Solvent Blue 35	-	
		Solvent Orange 7	-	
		Solvent Red 24	-	
		Solvent Red 49	-	
		Solvent Violet 9	-	
		Solvent Yellow 1	-	
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[Article] sample of a tattoo colour
[Colour] Tribal Black

			passed			
Heavy metals, Part 3 acc. to COE Resolution ResAP(2008)1 Methods: extraction using acidic perspiration solution acc. to DIN 38406-E29; Analysis acc. to COE ResAP(89)1			yes			
	Limit	Amount				
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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	0.05 ppm	Benzo(b)fluoranthene		-		
Anthracene	-	Benzo(k)fluoranthene		-	Total	0.05 ppm
Sterility (microbiological test), Part 5 Investigation of pseudomonads (King A + B) acc. to COE 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. Marion Heyde

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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

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Managing Director
Based in Bielefeld
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Marion Heyde
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[Date of order] 27.02.2013
[Date of delivery] 01.03.2013
[Date] 13.03.2013

CTL®-Nr.	357116
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Test results

[Contact person]	Mr Grassi
[Article]	2 samples of tattoo colours
[Colours]	MAKKURO SUMI Tribal Black, Lot-No 0424126D Exp. 12/2017 Brown Wash, Lot-No 1211124E Exp. 12/2017
[Order]	testing according to Resolution ResAP(2008)1 on requirements and criteria for the safety of tattoos and permanent make-up (full test for sample 2) --> sample No 1 Tribal Black only testing of PAH



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

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CTL [®] -Nr.	357116/1
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[Article] sample of a tattoo colour
 [Colour] MAKKURO SUMI Tribal Black
 Lot 0424126D, Exp. 12/2017

								passed
PAH and BaP, Part 4*								yes
Investigation of 16 compounds of Polycyclic hydrocarbons incl. Benzene-a-pyrene acc. to COE 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								
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	0.08	ppm	Benzo(b)fluoranthene	-				
Anthracene	-		Benzo(k)fluoranthene	-		Total	0.08 ppm	

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[Article] sample of a tattoo colour
[Colour] MAKKURO SUMI Brown Wash
Lot 1211124E, Exp. 12/2017

				passed
Azo-dyestuffs, Part 1a Investigation of aromatic amines with carcinogenic, mutagenic, reprotoxic and sensitising properties according to COE Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm; limit: as low as technically avoidable				not detectable
Biphenyl-4-ylamine	-	4-Methoxy-m-phenylenediamine	-	yes
Benzidine	-	4,4'-Methylenedianiline	-	
4-Chloro-o-toluidine	-	3,3'-Dichlorobenzidine	-	
2-Naphthylamine	-	3,3'-Dimethoxybenzidine	-	
o-Aminoazotoluene	-	3,3'-Dimethylbenzidine	-	
5-Nitro-o-toluidine	-	4,4'-Methylenedi-o-toluidine	-	
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 COE Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm				
4,4'-Oxydianiline	-	2,4,5-Trimethylaniline	-	yes
4,4'-Thiodianiline	-	Para-phenylenediamine	-	
o-Toluidine	-	2,4-Xylidine	-	
Dyestuffs, Part 2 acc. to COE Resolution ResAP(2008)1 Methods: TLC-, HPLC-, GC/MS-analysis acc. to DIN 54231 Detection limit: 5 mg/L				not detectable
Acid Green 16	-	Disperse Blue 1	-	yes
Acid Red 26	-	Disperse Blue 106	-	
Acid Violet 17	-	Disperse Blue 124	-	
Acid Violet 49	-	Disperse Blue 3	-	
Acid Yellow 36	-	Disperse Blue 35	-	
Basic Blue 7	-	Disperse Orange 3	-	
Basic Green 1	-	Disperse Orange 37	-	
Basic Red 1	-	Disperse Red 1	-	
Basic Red 9	-	Disperse Red 17	-	
Basic Violet 1	-	Disperse Yellow 3	-	
Basic Violet 10	-	Disperse Yellow 9	-	
Basic Violet 3	-	Pigment Orange 5	-	
		Pigment Red 53	-	
		Pigment Violet 3	-	
		Pigment Violet 39	-	
		Solvent Blue 35	-	
		Solvent Orange 7	-	
		Solvent Red 24	-	
		Solvent Red 49	-	
		Solvent Violet 9	-	
		Solvent Yellow 1	-	
		Solvent Yellow 2	-	
		Solvent Yellow 3	-	

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[Article] sample of a tattoo colour
[Colour] MAKKURO SUMI Brown Wash
Lot 1211124E, Exp. 12/2017

Heavy metals, Part 3			Limit	Amount	passed yes	
acc. to COE Resolution ResAP(2008)1 Methods: ICP-MS method acc. to DIN 11885; Analysis acc. to COE ResAP(89)1						
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*					yes	
Investigation of 16 compounds of Polycyclic hydrocarbons incl. Benzo-a-pyrene acc. to COE 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						
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	-	Benzo-a-pyrene (BaP)		-
Phenanthrene	-	Benzo(b)fluoranthene	-			
Anthracene	-	Benzo(k)fluoranthene	-	Total	0 ppm	
Sterility (microbiological test), Part 5*					yes	
Investigation of pseudomonads (King A + B) acc. to COE Resolution ResAP(2008)1 Methods: Oxidase test Detection limit: 1.0 x 10 ¹ CFU/g			< 1.0 x 10 ¹ CFU/g			
Result: passed						

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[Article] sample of a tattoo colour
[Colour] MAKKURO SUMI Brown Wash
Lot 1211124E, Exp. 12/2017

Test	Test procedure/Test method	Result	passed
Anaerobes sulfite-reducing sporulating bacteria*	acc. to ASU §64 LFGb L59.00-4	< 1.0 x 10 ¹ CFU/g	yes
Aerobes mesophilic sporulating bacteria*	acc. to ASU §64 LFGb L06.00-18	< 1.0 x 10 ¹ CFU/g	yes
Result: passed			

Yours sincerely

CTL[®] GmbH Bielefeld

i. A. Marion Heyde



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[Date of order] 18.06.2013

[Date of delivery] 18.06.2013

[Date] 27.06.2013

CTL®-Nr.	358722
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Test results

[Contact person]	Mr Grassi
[Article]	samples of a tattoo colour „MAKKURO SUMI“
[Colours]	Pure Black
	Lot-No 1001125 E Exp. 12/2017
[Order]	testing according to Resolution ResAP(2008)1 on requirements and criteria for the safety of tattoos and permanent make-up and testing of phthalates



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Geschäftsführer	Dr. rer. nat. Gerald Prior
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[Article] sample of a tattoo colour MAKURO SUMI

[Colour] Black, Lot 1001125 E, Exp. 12/2017

				passed
Azo-dyestuffs, Part 1a Investigation of aromatic amines with carcinogenic, mutagenic, reprotoxic and sensitising properties according to COE Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm; limit: as low as technically avoidable				not detectable
Biphenyl-4-ylamine	-	4-Methoxy-m-phenylenediamine	-	yes
Benzidine	-	4,4'-Methylenedianiline	-	
4-Chloro-o-toluidine	-	3,3'-Dichlorobenzidine	-	
2-Naphthylamine	-	3,3'-Dimethoxybenzidine	-	
o-Aminoazotoluene	-	3,3'-Dimethylbenzidine	-	
5-Nitro-o-toluidine	-	4,4'-Methylenedi-o-toluidine	-	
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 COE Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm				
4,4'-Oxydianiline	-	2,4,5-Trimethylaniline	-	yes
4,4'-Thiodianiline	-	Para-phenylenediamine	-	
o-Toluidine	-	2,4-Xylidine	-	
Dyestuffs, Part 2 acc. to COE Resolution ResAP(2008)1 Methods: TLC-, HPLC-, GC/MS-analysis acc. to DIN 54231 Detection limit: 5 mg/L				not detectable
Acid Green 16	-	Disperse Blue 1	-	yes
Acid Red 26	-	Disperse Blue 106	-	
Acid Violet 17	-	Disperse Blue 124	-	
Acid Violet 49	-	Disperse Blue 3	-	
Acid Yellow 36	-	Disperse Blue 35	-	
Basic Blue 7	-	Disperse Orange 3	-	
Basic Green 1	-	Disperse Orange 37	-	
Basic Red 1	-	Disperse Red 1	-	
Basic Red 9	-	Disperse Red 17	-	
Basic Violet 1	-	Disperse Yellow 3	-	
Basic Violet 10	-	Disperse Yellow 9	-	
Basic Violet 3	-	Pigment Orange 5	-	
		Pigment Red 53	-	
		Pigment Violet 3	-	
		Pigment Violet 39	-	
		Solvent Blue 35	-	
		Solvent Orange 7	-	
		Solvent Red 24	-	
		Solvent Red 49	-	
		Solvent Violet 9	-	
		Solvent Yellow 1	-	
		Solvent Yellow 2	-	
		Solvent Yellow 3	-	



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[Article] sample of a tattoo colour MAKKURO SUMI
[Colour] Black, Lot 1001125 E, Exp. 12/2017

			passed			
Heavy metals, Part 3 acc. to COE Resolution ResAP(2008)1 Methods: ICP-MS method acc. to DIN 11885; Analysis acc. to COE 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. Benzo-a-pyrene acc. to COE 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		-	Benzo-a-pyrene (BaP)	-
Phenanthrene	-	Benzo(b)fluoranthene		-		
Anthracene	-	Benzo(k)fluoranthene		-	Total	0 ppm
Sterility (microbiological test), Part 5* Investigation of pseudomonads (King A + B) acc. to COE Resolution ResAP(2008)1 Methods: Oxidase test Detection limit: 1.0 x 10 ¹ CFU/g			< 1.0 x 10 ¹ CFU/g	yes		
Result: passed						

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[Article] sample of a tattoo colour MAKKURO SUMI

[Colour] Black, Lot 1001125 E, Exp. 12/2017

Test	Test method	Result	passed
Anaerobes sulfite-reducing sporulating bacteria*	acc. to ASU §64 LFGB L59.00-4	< 1.0 x 10 ¹ CFU/g	yes
Aerobes mesophilic sporulating bacteria*	acc. to ASU §64 LFGB L06.00-18	< 1.0 x 10 ¹ CFU/g	yes
Result: passed			

Yours sincerely

CTL[®] GmbH Bielefeld

i. A. Marion Heyde

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[Date of order] 18.06.2013

[Date of delivery] 19.06.2013

[Date] 02.07.2013

CTL [®] -Nr.	358744
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Test results

[Contact person] Mr Grassi
[Article] sample of a tattoo colour „MAX“
[Colours] Black Ink
Lot-No 0103131 E Exp. 12/2018
[Order] testing according to Resolution ResAP(2008)1
on requirements and criteria for the safety of tattoos and permanent make-up



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[Article] sample of a tattoo colour MAX
[Colour] Black, Lot 0103131 E, Exp. 12/2018

				passed
Azo-dyestuffs, Part 1a Investigation of aromatic amines with carcinogenic, mutagenic, reprotoxic and sensitising properties according to COE Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm; limit: as low as technically avoidable				not detectable
Biphenyl-4-ylamine	-	4-Methoxy-m-phenylenediamine	-	yes
Benzidine	-	4,4'-Methylenedianiline	-	
4-Chloro-o-toluidine	-	3,3'-Dichlorobenzidine	-	
2-Naphthylamine	-	3,3'-Dimethoxybenzidine	-	
o-Aminoazotoluene	-	3,3'-Dimethylbenzidine	-	
5-Nitro-o-toluidine	-	4,4'-Methylenedi-o-toluidine	-	
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 COE Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm				
4,4'-Oxydianiline	-	2,4,5-Trimethylaniline	-	yes
4,4'-Thiodianiline	-	Para-phenylenediamine	-	
o-Toluidine	-	2,4-Xylidine	-	
Dyestuffs, Part 2 acc. to COE Resolution ResAP(2008)1 Methods: TLC-, HPLC-, GC/MS-analysis acc. to DIN 54231 Detection limit: 5 mg/L				not detectable
Acid Green 16	-	Disperse Blue 1	-	yes
Acid Red 26	-	Disperse Blue 106	-	
Acid Violet 17	-	Disperse Blue 124	-	
Acid Violet 49	-	Disperse Blue 3	-	
Acid Yellow 36	-	Disperse Blue 35	-	
Basic Blue 7	-	Disperse Orange 3	-	
Basic Green 1	-	Disperse Orange 37	-	
Basic Red 1	-	Disperse Red 1	-	
Basic Red 9	-	Disperse Red 17	-	
Basic Violet 1	-	Disperse Yellow 3	-	
Basic Violet 10	-	Disperse Yellow 9	-	
Basic Violet 3	-	Pigment Orange 5	-	
		Pigment Red 53	-	
		Pigment Violet 3	-	
		Pigment Violet 39	-	
		Solvent Blue 35	-	
		Solvent Orange 7	-	
		Solvent Red 24	-	
		Solvent Red 49	-	
		Solvent Violet 9	-	
		Solvent Yellow 1	-	
		Solvent Yellow 2	-	
		Solvent Yellow 3	-	

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CTL [®] -Nr.	358744
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[Article] sample of a tattoo colour MAX
[Colour] Black, Lot 0103131 E, Exp. 12/2018

			passed			
Heavy metals, Part 3 acc. to COE Resolution ResAP(2008)1 Methods: ICP-MS method acc. to DIN 11885; Analysis acc. to COE 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. Benzo-a-pyrene acc. to COE 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		-	Benzo-a-pyrene (BaP)	-
Phenanthrene	-	Benzo(b)fluoranthene		-		
Anthracene	-	Benzo(k)fluoranthene		-	Total	0 ppm
Sterility (microbiological test), Part 5* Investigation of pseudomonads (King A + B) acc. to COE Resolution ResAP(2008)1 Methods: Oxidase test Detection limit: 1.0 x 10 ¹ CFU/g			< 1.0 x 10 ¹ CFU/g	yes		
Result: passed						

Bank Sparkasse Gütersloh
Kontonummer 400 53 45
BLZ 478 500 65
SWIFT/BIG WELADED 1 GTL
IBAN DE 87 47850065 000 4005345

Anschrift Krackser Straße 12
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Geschäftsführer Dr. rer. nat. Gerald Prior
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Registergericht AG Bielefeld, HRB 35-412
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CTL [®] -Nr.	358744
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[Article] sample of a tattoo colour MAX

[Colour] Black, Lot 0103131 E, Exp. 12/2018

Test	Test method	Result	passed
Anaerobes sulfite-reducing sporulating bacteria*	acc. to ASU §64 LFGB L59.00-4	< 1.0 x 10 ¹ CFU/g	yes
Aerobes mesophilic sporulating bacteria*	acc. to ASU §64 LFGB L06.00-18	< 1.0 x 10 ¹ CFU/g	yes
Result: passed			

Yours sincerely

CTL[®] GmbH Bielefeld

i. A. Marion Heyde

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CTL[®] GmbH

CHEMISCH-TECHNOLOGISCHES LABORATORIUM

CTL[®] GmbH | Chemisch-Technologisches Laboratorium
Krackser Straße 12 | 33659 Bielefeld | Germany

I MAX INTERNATIONAL SRL
Mr Grassi
Viale Emilia 41
47838 Riccione Rn
ITALY

Bettina Kaiser

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[fax] +49 521 446 51 52

[mail] logistikT@ctl-bielefeld.de

[Date of order] 09.08.2013

[Date of delivery] 12.08.2013

[Date] 23.08.2013

CTL [®] -Nr.	359554
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Deutsche
Akkreditierungsstelle
D-PL-11062-01-00

Test results

not accredited tests are labelled with

[Contact person]	Mr Grassi
[Article]	sample of a tattoo colour „Makkuro Sumi“, „Universal Black“
[Colours]	Best Black Lot-No 0425133F Exp. 12-2018 Velvet Black Lot-No 0108132E Exp. 12-2018
[Order]	testing according to Resolution ResAP(2008)1 on requirements and criteria for the safety of tattoos and permanent make-up

► 1/7

[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 resultat 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 vermenigvuldigd.

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Sitz der Gesellschaft	Bielefeld
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CTL[®]-Nr.	359554/1
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[Article]	sample of a tattoo colour Makkuro Sumi
[Colour]	Best Black
[Lot No.]	0425133F Exp. 12-2018

				passed
Azo-dyestuffs, Part 1a Investigation of aromatic amines with carcinogenic, mutagenic, reprotoxic and sensitising properties according to COE Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm; limit: as low as technically avoidable				not detectable
Biphenyl-4-ylamine	-	4-Methoxy-m-phenylenediamine	-	yes
Benzidine	-	4,4'-Methylenedianiline	-	
4-Chloro-o-toluidine	-	3,3'-Dichlorobenzidine	-	
2-Naphthylamine	-	3,3'-Dimethoxybenzidine	-	
o-Aminoazotoluene	-	3,3'-Dimethylbenzidine	-	
5-Nitro-o-toluidine	-	4,4'-Methylenedi-o-toluidine	-	
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 COE Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm				
4,4'-Oxydianiline	-	2,4,5-Trimethylaniline	-	yes
4,4'-Thiodianiline	-	Para-phenylenediamine	-	
o-Toluidine	-	2,4-Xylidine	-	
Dyestuffs, Part 2 acc. to COE Resolution ResAP(2008)1 Methods: TLC-, HPLC-, GC/MS-analysis acc. to DIN 54231 Detection limit: 5 mg/L				not detectable
Acid Green 16	-	Disperse Blue 1	-	yes
Acid Red 26	-	Disperse Blue 106	-	
Acid Violet 17	-	Disperse Blue 124	-	
Acid Violet 49	-	Disperse Blue 3	-	
Acid Yellow 36	-	Disperse Blue 35	-	
Basic Blue 7	-	Disperse Orange 3	-	
Basic Green 1	-	Disperse Orange 37	-	
Basic Red 1	-	Disperse Red 1	-	
Basic Red 9	-	Disperse Red 17	-	
Basic Violet 1	-	Disperse Yellow 3	-	
Basic Violet 10	-	Disperse Yellow 9	-	
Basic Violet 3	-	Pigment Orange 5	-	
		Pigment Red 53	-	
		Pigment Violet 3	-	
		Pigment Violet 39	-	
		Solvent Blue 35	-	
		Solvent Orange 7	-	
		Solvent Red 24	-	
		Solvent Red 49	-	
		Solvent Violet 9	-	
		Solvent Yellow 1	-	
		Solvent Yellow 2	-	
		Solvent Yellow 3	-	

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[Article] sample of a tattoo colour Makkuro Sumi

[Colour] Best Black

[Lot No.] 0425133F Exp. 12-2018

			passed			
Heavy metals, Part 3 acc. to COE Resolution ResAP(2008)1 Methods: ICP-MS method acc. to DIN 11885; Analysis acc. to COE 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. Benzo-a-pyrene acc. to COE 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		-	Benzo-a-pyrene (BaP)	-
Phenanthrene	-	Benzo(b)fluoranthene		-		
Anthracene	-	Benzo(k)fluoranthene		-	Total	0 ppm
Sterility (microbiological test), Part 5* Investigation of pseudomonads (King A + B) acc. to COE Resolution ResAP(2008)1 Methods: Oxidase test Detection limit: 1.0 x 10 ¹ CFU/g			< 1.0 x 10 ¹ CFU/g	yes		
Result: passed						

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CTL[®]-Nr.	359554/1
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[Article]	sample of a tattoo colour Makkuro Sumi
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[Colour]	Best Black
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[Lot No.]	0425133F Exp. 12-2018
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Test	Test method	Result	passed
Anaerobes sulfite-reducing sporulating bacteria*	acc. to ASU §64 LFGB L59.00-4	< 1.0 x 10 ¹ CFU/g	yes
Aerobes mesophilic sporulating bacteria*	acc. to ASU §64 LFGB L06.00-18	< 1.0 x 10 ¹ CFU/g	yes
Result: passed			

Bank	Sparkasse Gütersloh
Kontonummer	400 53 45
BLZ	478 500 65
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Geschäftsführer	Dr. rer. nat. Gerald Prior
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[Article] sample of a tattoo colour Universal Black

[Colour] Velvet Black

[Lot No.] 0108132E Exp. 12-2018

				passed
Azo-dyestuffs, Part 1a Investigation of aromatic amines with carcinogenic, mutagenic, reprotoxic and sensitising properties according to COE Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm; limit: as low as technically avoidable				not detectable
Biphenyl-4-ylamine	-	4-Methoxy-m-phenylenediamine	-	yes
Benzidine	-	4,4'-Methylenedianiline	-	
4-Chloro-o-toluidine	-	3,3'-Dichlorobenzidine	-	
2-Naphthylamine	-	3,3'-Dimethoxybenzidine	-	
o-Aminoazotoluene	-	3,3'-Dimethylbenzidine	-	
5-Nitro-o-toluidine	-	4,4'-Methylenedi-o-toluidine	-	
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 COE Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm				
4,4'-Oxydianiline	-	2,4,5-Trimethylaniline	-	yes
4,4'-Thiodianiline	-	Para-phenylenediamine	-	
o-Toluidine	-	2,4-Xylidine	-	
Dyestuffs, Part 2 acc. to COE Resolution ResAP(2008)1 Methods: TLC-, HPLC-, GC/MS-analysis acc. to DIN 54231 Detection limit: 5 mg/L				not detectable
Acid Green 16	-	Disperse Blue 1	-	yes
Acid Red 26	-	Disperse Blue 106	-	
Acid Violet 17	-	Disperse Blue 124	-	
Acid Violet 49	-	Disperse Blue 3	-	
Acid Yellow 36	-	Disperse Blue 35	-	
Basic Blue 7	-	Disperse Orange 3	-	
Basic Green 1	-	Disperse Orange 37	-	
Basic Red 1	-	Disperse Red 1	-	
Basic Red 9	-	Disperse Red 17	-	
Basic Violet 1	-	Disperse Yellow 3	-	
Basic Violet 10	-	Disperse Yellow 9	-	
Basic Violet 3	-	Pigment Orange 5	-	

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Bank Sparkasse Gütersloh
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CTL[®]-Nr.	359554/2
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[Article]	sample of a tattoo colour Universal Black
[Colour]	Velvet Black
[Lot No.]	0108132E Exp. 12-2018

			passed
Heavy metals, Part 3 acc. to COE Resolution ResAP(2008)1 Methods: ICP-MS method acc. to DIN 11885; Analysis acc. to COE ResAP(89)1			
	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. Benzo-a-pyrene acc. to COE 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			
Naphthalene	-	Fluoranthene	-
Acenaphthylene	-	Pyrene	-
Acenaphthene	-	Benz(a)anthracene	-
Fluorene	-	Chrysene	-
Phenanthrene	-	Benzo(b)fluoranthene	-
Anthracene	-	Benzo(k)fluoranthene	-
		Dibenzo(a,h)anthracene	-
		Indo (1,2,3-cd)pyrene	-
		Benzo(g,h,i)perylene	-
		Benzo-a-pyrene (BaP)	-
		Total	0 ppm
Sterility (microbiological test), Part 5* Investigation of pseudomonads (King A + B) acc. to COE Resolution ResAP(2008)1 Methods: Oxidase test Detection limit: 1.0 x 10 ¹ CFU/g			
			< 1.0 x 10 ¹ CFU/g
Result: passed			

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CTL [®] -Nr.	359554/2
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[Article]	sample of a tattoo colour Universal Black
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[Colour]	Velvet Black
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[Lot No.]	0108132E Exp. 12-2018
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Test	Test method	Result	passed
Anaerobes sulfite-reducing sporulating bacteria*	acc. to ASU §64 LFGb L59.00-4	< 1.0 x 10 ¹ CFU/g	yes
Aerobes mesophilic sporulating bacteria*	acc. to ASU §64 LFGb L06.00-18	< 1.0 x 10 ¹ CFU/g	yes
Result: passed			

Yours sincerely

CTL[®] GmbH Bielefeld

i. A. Bettina Kaiser

Bank	Sparkasse Gütersloh
Kontonummer	400 53 45
BLZ	478 500 65
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Geschäftsführer	Dr. rer. nat. Gerald Prior
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