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[Order date] -----  
[Date received] 25.10.2017  
[Service date] 17.11.2017

CTL® no	<b>381016</b>
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### Test results



Deutsche  
Akkreditierungsstelle  
D-PL-11062-01-00

[Contact person] Mr Herbozo  
[Material] Permanent make up samples / Pigment samples  
[Colours] See following page  
[Batch/Lot no] See following page  
[Order] Testing according to CoE Resolution ResAP(2008)1

not accredited tests are labelled with \*

on requirements and criteria for the safety of tattoos and permanent make-up

[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.

[Address] Krackser Straße 12  
33659 Bielefeld, Germany  
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[IBAN] DE87 4785 0065 0004 0053 45



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CTL <sup>®</sup> no	<b>381016/1-3</b>
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[Material] Permanent make up samples

[Colour] See table

[Batch/lot no] -----

CTL series no	Colour description
1	Arte Stylo Mocha
2	Artestylo DK Honey
3	Artestylo Chocolate



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CTL <sup>®</sup> no	<b>381016/1</b>
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[Material]	Permanent make up sample
[Colour]	Arte Stylo Mocha
[Batch/lot no]	-----

				passed
<b>Azo-dyestuffs, Part 1a</b> 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-arylamine	-	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	-	
<b>Azo-dyestuffs, Part 1b</b> 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	-	
<b>Dyestuffs, Part 2</b> 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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[Material]	Permanent make up sample
[Colour]	Arte Stylo Mocha
[Batch/lot no]	-----

			passed			
<b>Heavy metals, Part 3</b> Acc. to CoE Resolution ResAP(2008)1 Method: Prior, G. (2014). Tattoo Inks: Analysis, Pigments, Legislation. Berlin: epubli. CTL Method 2, p. 83.			yes			
	<b>Limit</b>	<b>Amount</b>				
	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			
<b>PAH and BaP, Part 4</b> 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		-	<b>Total</b>	0 ppm
<b>Sterility (microbiological test), Part 5*</b> Investigation of pseudomonads (King A + B) acc. to CoE Resolution ResAP(2008)1 Methods: Oxidase test Detection limit: 1.0 x 10 <sup>1</sup> CFU/g			tested on a single representative sample (CTL-No 381016/2)	----		
<b>Result: passed</b>						

Additional information:

Result of heavy metal aluminium, perspiration solution: < 1 ppm



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CTL <sup>®</sup> no	<b>381016/2</b>
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[Material]	Permanent make up sample
[Colour]	Artestylo DK Honey
[Batch/lot no]	-----

				passed
<b>Azo-dyestuffs, Part 1a</b> 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-arylamine	-	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	-	
<b>Azo-dyestuffs, Part 1b</b> 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	-	
<b>Dyestuffs, Part 2</b> 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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[Material]	Permanent make up sample
[Colour]	Artestylo DK Honey
[Batch/lot no]	-----

			passed			
<b>Heavy metals, Part 3</b> Acc. to CoE Resolution ResAP(2008)1 Method: Prior, G. (2014). Tattoo Inks: Analysis, Pigments, Legislation. Berlin: epubli. CTL Method 2, p. 83.			yes			
	<b>Limit</b>	<b>Amount</b>				
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				
<b>PAH and BaP, Part 4</b> 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		-	<b>Total</b>	0 ppm
<b>Sterility (microbiological test), Part 5*</b> Investigation of pseudomonads (King A + B) acc. to CoE Resolution ResAP(2008)1 Methods: Oxidase test Detection limit: 1.0 x 10 <sup>1</sup> CFU/g			< 1.0 x 10 <sup>1</sup> CFU/g	yes		
<b>Result: passed</b>						

Additional information:

Result of heavy metal aluminium, perspiration solution: < 1 ppm



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[Material]	Permanent make up sample
[Colour]	Artestylo DK Honey
[Batch/lot no]	-----

Test	Test method	Result	passed
<b>Anaerobes sulfite-reducing sporulating bacteria*</b>	acc. to ASU §64 LFGB L59.00-4	< 1.0 x 10 <sup>1</sup> CFU/g	yes
<b>Aerobes mesophilic sporulating bacteria*</b>	acc. to ASU §64 LFGB L06.00-18	< 1.0 x 10 <sup>1</sup> CFU/g	yes
<b>Results of part 5: passed</b>			



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[Material]	Permanent make up sample
[Colour]	Artestylo Chocolate
[Batch/lot no]	-----

				passed		
<b>Azo-dyestuffs, Part 1a</b> 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	yes	
Biphenyl-4-arylamine	-	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-ethoxynaphthaline		-
5-Nitro-o-toluidine	-	4,4'-Methylenedi-o-toluidine	-	4-Amino-3-fluorophenol		-
4-Chloroaniline	-	6-Methoxy-m-toluidine	-			
<b>Azo-dyestuffs, Part 1b</b> 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				not detectable	yes	
4,4'-Oxydianiline	-	2,4,5-Trimethylaniline	-	2,6-Xylidine		-
4,4'-Thiodianiline	-	Para-phenylenediamine	-			
o-Toluidine	-	2,4-Xylidine	-			
<b>Dyestuffs, Part 2</b> Acc. to CoE 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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CTL® no	<b>381016/3</b>
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[Material]	Permanent make up sample
[Colour]	Artestylo Chocolate
[Batch/lot no]	-----

			passed			
<b>Heavy metals, Part 3</b> Acc. to CoE Resolution ResAP(2008)1 Method: Prior, G. (2014). Tattoo Inks: Analysis, Pigments, Legislation. Berlin: epubli. CTL Method 2, p. 83.			yes			
	<b>Limit</b>	<b>Amount</b>				
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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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		-	<b>Total</b>	0 ppm
<b>Sterility (microbiological test), Part 5*</b> Investigation of pseudomonads (King A + B) acc. to CoE Resolution ResAP(2008)1 Methods: Oxidase test Detection limit: 1.0 x 10 <sup>1</sup> CFU/g			tested on a single representative sample (CTL-No 381016/2)	----		
<b>Result: passed</b>						

Additional information:

Result of heavy metal aluminium, perspiration solution: < 1 ppm



**we assist, advise and test**

CTL <sup>®</sup> no	<b>381016/1-3</b>
[Material]	Permanent make up samples
[Colour]	-----
[Batch/lot no]	-----

Yours sincerely,

CTL<sup>®</sup> GmbH Bielefeld

i.A. Marion Heyde  
Customer consultant

i.V. Brigitta Henkenjohann  
Deputy lab manager