



CTL[®] GmbH

CHEMICAL-TECHNOLOGICAL LABORATORY

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[Date of order] 13.06.2014

[Date of delivery] 18.06.2014

[Date] 14.07.2014

CTL [®] -No	363948
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Test results



Deutsche
Akkreditierungsstelle
D-PL-11062-01-00

not accredited tests are labelled with *

[Contact person]	Mr Schory
[Article]	sample of a tattoo colour SILVERBACK ink
[Colour]	INSTA BLACK (article no INK.SB.INS.1)
[Batch-No]	SS05071455AS
[Order]	testing according to COE Resolution ResAP(2008)1 on requirements and criteria for the safety of tattoos and permanent make-up

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[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 vermenigvuldigd.

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wir helfen, beraten und prüfen

CTL [®] -No	363948
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[Article] sample of a tattoo colour Silverback ink

[Colour] INSTA BLACK article no INK.SB.INS.1

[Batch-No] SS050714SSAS

				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	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-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 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	-			
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				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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[Article] sample of a tattoo colour Silverback ink

[Colour] INSTA BLACK article no INK.SB.INS.1

[Batch-No] SS050714SSAS

			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		-
Acenaphthylene	-	Pyrene		-
Acenaphthene	-	Benz(a)anthracene		-
Fluorene	-	Chrysene		-
Phenanthrene	-	Benzo(b)fluoranthene		-
Anthracene	-	Benzo(k)fluoranthene		-
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 ³ CFU/g			Sterility test was not conducted.	
Result: passed				

Yours sincerely

CTL® GmbH Bielefeld

i. A. Bettina Kaiser

Lab Manager

i. V. Helmut Meyer

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