

[Material]

Lip Pigments

[Article description]

65705

passed

Azo-dyestuffs, Part 1a				not detectable				yes
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								
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	-					
Azo-dyestuffs, Part 1b				not detectable				yes
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	-	2,6-Xylidine	-			
4,4'-Thiodianiline	-	p-Phenylenediamine	-					
o-Toluidine	-	2,4-Xylidine	-					
Dyestuffs, Part 2*				not detectable				yes
Acc. to CoE Resolution ResAP(2008)1 Methods: TLC-, HPLC-, GC/MS-analysis acc. to DIN 54231 Detection limit: 5 mg/L								
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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Heavy metals, Part 3		Limit	Amount	yes		
Acc. to CoE Resolution ResAP(2008)1 Method: Prior, G. (2014). Tattoo Inks: Analysis, Pigments, Legislation. Berlin: epubli. CTL Method 2, p. 83.						
	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 ¹ 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	-	
<i>Sterility tests was not conducted.</i>				----		
Results of parts 1-4: Passed: Parts 1-4						

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Heavy metals, Part 3, total decomposition Acc. to CoE Resolution ResAP(2008)1 Methods: pressure digestion acc. K 84.00-29: 2011-03 ICP-OES analysis after total decomposition	Limit	Amount	passed
Arsenic (As)	2 ppm	< 2 ppm	n/a
Barium (Ba)	50 ppm	< 5 ppm	
Cadmium (Cd)	0.2 ppm	< 0.2 ppm	
Cobalt (Co)	25 ppm	< 5 ppm	
Chromium (Cr)	----	< 0.2 ppm	
Copper (Cu)	----	< 5 ppm	
Copper (Cu), soluble	25 ppm	< 5 ppm	
Mercury (Hg)	0.2 ppm	< 0.2 ppm	
Nickel (Ni)	As low as technically achievable	0.4 ppm	
Lead (Pb)	2 ppm	< 2 ppm	
Selenium (Se)	2 ppm	< 2 ppm	
Antimony (Sb)	2 ppm	< 2 ppm	
Tin (Sn)	50 ppm	58 ppm	
Zinc (Zn)	50 ppm	< 5 ppm	

additional information:

Results of Heavy metal aluminum:

< 5 mg/kg total decomposition, < 5 mg/kg result of perspiration solution.

Results of Heavy metal zirconium:

870 mg/kg total decomposition, < 5 mg/kg result of perspiration solution.