



**we assist, advise and test**

CTL®-No	372975/1
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[Article] sample of a pigment  
 [Product] GE-233175 Pigment + BROWN-175.  
 GOLDENEYE  
 [Batch-No] 03.2021/016

				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-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	-	
<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 EU Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm				not detectable
4,4'-Oxydianiline	-	2,4,5-Trimethylaniline	-	yes
4,4'-Thiodianiline	-	Para-phenylenediamine	-	
o-Toluidine	-	2,4-Xylidine	-	



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<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.	<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