



we assist, advice and test **Pigment PV 054**

Couleur : Magenta
INCI : CI 45430
Type : Pigment organique
Famille : Erythrosine

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| CTL®-No | 365164/16 |
| [Material] | sample of a raw material |
| [Material description/Colour] | rose vif |

| | | | | | | 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 | | | | | | 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 | | | | | | 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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| CTL[®]-No | 365164/16 |
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|-------------------------------|--------------------------|
| [Material] | sample of a raw material |
| [Material description/Colour] | rose vif |
| [Lot-No] | C0844 |

| | | | passed |
|---|----------------------------------|------------------------|---------------|
| Heavy metals, Part 3 acc. to COE Resolution ResAP(2008)1 Method: Prior, G. (2014). Tattoo Inks: Analysis, Pigments, Legislation. Berlin: epubli. CTL Method 2, p. 83. | | | 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 <i>**on customer request, not part of ResAP (2008)</i> | | | yes |
| Naphthalene | 0.10 ppm | Fluoranthene - | |
| Acenaphthylene | - | Pyrene - | |
| Acenaphthene | - | Benz(a)anthracene - | |
| Fluorene | - | Chrysene - | |
| Phenanthrene | - | Benzo(b)fluoranthene - | |
| Anthracene | - | Benzo(k)fluoranthene - | |
| Total | | 0.10 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 | | | |