

SOLVENT DYES AND PIGMENTS FOR FOOD CONTACT APPLICATION AND TOYS

Unicolour Limited are committed to providing the production of consumer articles with all available data that enable our customers to make an informed decision regarding consumer safety in the recommended use of the product and ensure compliance with the regulatory requirement in food contact application

1.1 Heavy Metals

Our products apply the limited agreement under the Council Of Europe Resolutions AP(89) 1 on the use of colourants in plastic material coming into contact with food.

These limits apply to the amount of extractable by 0.1M HCL and relate to the colourants itself, not the coloured finished article

AP(89) 1

Extracted Metals 15 Mins 0.1M HCL digest	Limit
Lead (Pb)	100 ppm
Antimony (Sb)	500 ppm
Arsenic (As)	100 ppm
Barium (Ba)	100 ppm
Cadmium (Cd)	100 ppm
Chromium (Cr)	1000 ppm
Mercury (Hg)	50 ppm
Selenium (Se)	100 ppm

1.2 Aromatic Amines

Total Aromatic Amines	Total	500 ppm max
Unsulphonated Aromatic Amines	Total	500 ppm max
Benzidine/2-naphthylamine/4-aminobiphenyl 2-Amino-5-chlorotoluene	Total	10 ppm max

1.3 Sulphonated Aromatic Amines Total 500 ppm max

1.4 Polychlorobiphenyls (PCBs) Total 25 ppm max

2.1 Colourants for Toys

For compliance with the European Standard on Safety of Toys EN71 Part 3 - Migration of certain Elements are performed by Atomic absorption or inductively coupled Argon Plasma Spectrometry

EN71 PART 3

Elements (Soluble)	Limit
Lead (Pb)	90 ppm
Antimony (Sb)	60 ppm
Arsenic (As)	25 ppm
Barium (Ba)	1000 ppm
Cadmium (Cd)	75 ppm
Chromium (Cr)	60 ppm
Mercury (Hg)	60 ppm
Selenium (Se)	500 ppm

We provide our general analysis report on our products and would be more than happy to carry out testing on a particular batch upon request

2. Migration Fastness

The fastness to Migration depends all on the appropriate processing and on the type and amount of additive use. It remains the responsibility of the user to check the fastness to migration of colourants under their condition in the finished packing.

Note : The information provided is based on our knowledge and experience. Any recommendations are made without guarantee since the conditions of use are beyond our control