



High purity black, yellow and red Iron Oxides.

These products are produced by a unique manufacturing process which is the only source in the world of such low heavy metal contents.

Iron Oxide Red, Iron Oxide Yellow and Iron Oxide Black are available as standard products which can be blended to match any shade upon request.

We guarantee this high purity material conforms to the requirements of EC food legislation (EC_directive 95/45/EEC). As well as the requirements in the EC directive, this product also fulfils the purity requirements of FDA regulations (title 21 section 73), which details permitted additives for pharmaceuticals, drugs and cosmetics.

Our quality not only meets the extremely strict specifications set by these authorities but even exceeds them.

Heavy Metal Content

		Typical	Specification	E 172	FDA
Arsenic	ppm	< 0.5	≤ 3	≤ 5	≤ 3
Barium	ppm	< 0.5	≤ 5	≤ 50	
Cadmium	ppm	< 0.2	≤ 2	≤ 5	
Chromium	ppm	5	≤ 25	≤ 100	
Copper	ppm	1	≤ 10	≤ 50	
Lead	ppm	< 2	≤ 3	≤ 20	≤ 10
Mercury	ppm	< 0.1	≤ 1	≤ 1	≤ 1
Nickel	ppm	5	≤ 10	≤ 200	
Zinc	ppm	10	≤ 35	≤ 100	

Prisma Colour Limited

Hole House Mill, Marple Road, Chisworth, Glossop, Derbyshire, SK13 5DH, UK.

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<u>FDA Regulations</u>		
Human Food (21CFR73.200)	Specification	
Arsenic	ppm	≤ 3
Lead	ppm	≤ 10
Mercury	ppm	≤ 1
Pet Food (21CFR73.200)		
Arsenic	ppm	≤ 5
Lead	ppm	≤ 20
Mercury	ppm	≤ 3
Drug (21CFR73.1200)		
FDA Cosmetic (21CFR73.2550)		
Arsenic	ppm	≤ 3
Lead	ppm	≤ 10
Mercury	ppm	≤ 3

<u>European Commission Directive (95/45/EC)</u>		
E 172 Iron Oxides and Iron Hydroxides	Specification	
Arsenic	ppm	≤ 5
Barium	ppm	≤ 50
Cadmium	ppm	≤ 5
Chromium	ppm	≤ 100
Copper	ppm	≤ 50
Lead	ppm	≤ 20
Mercury	ppm	≤ 1
Nickel	ppm	≤ 200
Zinc	ppm	≤ 100

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