



ARIHANT CHEMICAL CORPORATION & J.J ENTERPRISE

For paints / inks / plastic / Rubber industries Raw material available with us under self import / Manufacturing / Trading.



Material Safety Data Sheet :- Yellow Oxide

Supplier: Manufactures

Arihant Chemical Corporation.

24/5, Krishna kunj bldg, behind arora
:Arora cinema, opp. Sahakari bhandar
Sewari wadala road, Matunga (C.R) Mumbai - 40019.
CELLULAR:-9820142066 – 9029042066
info@arihantchemcorp.com or nilesh@arihantchemcorp.com

Edition of: 2010-03-01

Replaces edition of: 2004-08-01

For ecological and toxicological data see safety data sheet. Safety data sheet available on request

Commercial name	Bayferrox®4920
General description	
Type	Yellow pigment
Chemical class	Synthetic iron oxide α -FeOOH
Delivery form	Powder
Colour index	Pigment yellow 42(77492)
CAS No.	20344-49-4

Regd Off: - Plot no 24 Block no .5, 1st floor, Behind Aurora cinema , opp Sahakari bhandar, Matunga (C.R) Mumbai – 400019

Administration /correspondence Office :- Plot No. 319, Room No.3, Ranchoddas Terrace building ,sir Bhalchandra Road, opp Hira House, Near Chhatre Maternity Hospital, Matunga (C.R) Mumbai – 400019 Tel :- +91 22 24148378 / 24146390

Mob :- MR NILESH MEHTA +91 9820142066 / +91 8850378208/+91 9029042066

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Specified values

Colour values and tinting strength

Reference	BF4920 powder standard 1999	
	<u>Min.</u>	<u>Max.</u>
Binder	Sacolyd® L 640	
Full shade		
L*	-0.5	0.5
a*	-0.8	0.8
b*	-0.8	0.8
E*		1.0

Reduced shade with Titanium dioxide / TRONOX® R-KB-2 (1 : 5) (L* = 0)

a*	-0.8	0.8
b*	-0.8	0.8
E*		1.0
Binder	Heavy spar	
TS _{rel} [%]	95	105
	<u>Min.</u>	<u>Max.</u>
Sieve residue		
(on 0.045 mm mesh) [%]		0.05
pH	4	7

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Colour measurement to DIN 6174

Colour measurement to DIN 6174 and DIN 55 986

Test procedure / DIN 55 913

Test method :- DIN 53 195 / ISO 787 part 9

Product Specification

Bayferrox®4920

Specified values (continued)

Informative technical data (guide values)

	<u>Min.</u>	<u>Max.</u>	<u>Test method</u>
Fe ₂ O ₃ [%]	86		DIN 55 913
SiO ₂ + Al ₂ O ₃ [%]		0.6	DIN 55 913
Loss on heating at 1000°C, ½ h [%]		15.0	DIN 55 913
Water-soluble salts [%]		0.5	ISO 787 part 3
Water content (ex works) [%]		1.0	ISO 787 part 2
Oil absorption [g/100g]		approx. 32	ISO 787 part 5
Particle shape		acicular	
Predominant particle size[µm]		0.1×0.8	Electron micrographs
Tamped apparent density [g/cm ³]		approx. 0.4	ISO 787 part 11
Density [g/cm ³]		approx. 4.0	ISO 787 part 10
Packing			
Standard packing	20-kg bag		
	500-kg bulk bag		

Transport and storage condition

Protect from atmospheric conditions: store in a dry place and avoid extreme temperature fluctuations.

Special conditions for opened packages:

Close bag after use to prevent moisture intake and soiling.

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