

Product information – Sunferrox™ Iron Oxide Pigments

Sunferrox™ Pigments	Grade	Fe ₂ O ₃	Water Content	Water Soluble salts	Loss on heating ⁽¹⁾ 1000°C/0.5h	Water absorption	Sieve residue 0.045mm mesh	pH Value	Tinting Strength vs Standard	Color difference vs Standard ⁽²⁾	Tamped apparent density	Density	Predominant Particle Size ⁽³⁾	Particle Shape
		DIN-55913	ISO 787 Part 2	ISO 787 Part 8	DIN-55913	ISO 787 Part 5	ISO 787 Part 7	ISO 787 Part 9	DIN-55913	Measured according DIN-6174 & 55986	ISO 787 Part 11	ISO 787 Part 10		
		Min. %	Max %	Max %	Max %	Approx. g/100g	Max %	Range	%	ΔE max.	approx. g/cm ³	approx. g/cm ³	µm ⁽³⁾	
Sunferrox™ Red														
C.I. Pigment Red 101 C.I.77491	8200	95	1.0	0.5	4.0	22	0.05	5-7	95-105	1.0	1.0	5.0	0.1	spherical
	8210	95	1.0	0.5	4.0	22	0.05	5-7	95-105	1.0	1.0	5.0	0.1	
	8230	95	1.0	0.5	4.0	20	0.05	5-7	95-105	1.0	1.0	5.0	0.2	
	8240	95	1.0	0.5	4.0	20	0.05	5-7	95-105	1.0	1.0	5.0	0.3	
	8290	95	1.0	0.5	4.0	20	0.05	5-7	95-105	1.0	1.0	5.1	0.7	
Sunferrox™ Yellow														
C.I.Pigment Yellow 42 C.I.77491	8310	86	1.0	0.5	15.0	28	0.05	4-7	95-105	1.0	0.4	4.0	0.1x0.8	acicular
	8320	86	1.0	0.5	15.0	28	0.05	4-7	95-105	1.0	0.4	4.0	0.1x0.8	acicular
Combination of C.I.77491/92	8360	88	1.0	0.5	13.0	25	0.05	5-7	95-105	1.0	0.5	4.3	0.1x0.8	primarily acicular
Sunferrox™ Brown														
Combination of C.I. 77491/92/99	8383	95	1.0	0.5	4	18	0.05	5-8	95-105	1.0	1.0	4.5	0.1x0.8	irregular
Sunferrox™ Black														
Black 11 C.I.77499	8880	95	1.0	0.5	N.A.	18	0.05	5-8	95-105	1.0	1.0	4.5	0.2	spherical
	8890	95	1.0	0.5	N.A.	30	0.05	5-8	95-105	1.0	1.0	4.5	0.2	

Note:

- (1) The Sunferrox™ Yellow and Brown types contain relatively large amounts of chemically bound water, which have been taken into account when determining the loss on heating.
 (2) Detailed procedures are available on request. (3) Values determined from electron micrographs.
 (4) All technical data determined on basis of the ISO or DIN standards mentioned

The analysis values merely represent an indication of the fundamental composition and properties; in the individual types, there are also traces of other chemical compounds, these traces are found in fractions of a percent and are subject to slight fluctuation.

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Divnova Specialities Pvt. Ltd.

www.divnova.com

info@divnova.com

Mumbai, India

Ph: +91-22-24900505

Fax: +91-22-24900303