

## Technical Data – Inorganic Sunferrox™ Pigments

Sunferrox™ Pigments	Grade	Fe <sub>2</sub> O <sub>3</sub>	Water Content	Water Soluble salts	Loss on heating <sup>(1)</sup> 1000°C/0.5h	Water absorption	Sieve residue 0.045mm mesh	pH Value	Tinting Strength vs Standard	Color difference vs Standard <sup>(2)</sup>	Tamped apparent density	Density	Predominant Particle Size <sup>(3)</sup>	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 <sup>3</sup>	approx. g/cm <sup>3</sup>	μm <sup>(3)</sup>	
<b>Sunferrox™ Red</b>														
C.I. Pigment Red 101 C.I.77491	4110	95	1.0	0.5	4.0	22	0.05	5-7	95-105	1.0	1.0	5.0	0.1	spherical
	4100	95	1.0	0.5	4.0	22	0.05	5-7	95-105	1.0	1.0	5.0	0.1	
	4130	95	1.0	0.5	4.0	20	0.05	5-7	95-105	1.0	1.0	5.0	0.2	
	4140	95	1.0	0.5	4.0	20	0.05	5-7	95-105	1.0	1.0	5.0	0.3	
	4190	95	1.0	0.5	4.0	20	0.05	5-7	95-105	1.0	1.0	5.1	0.7	
<b>Sunferrox™ Yellow</b>														
C.I.Pigment Yellow 42 C.I.77491	4910	86	1.0	0.5	15.0	28	0.05	4-7	95-105	1.0	0.4	4.0	0.1x0.8	acicular
	4920	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	4960	88	1.0	0.5	13.0	25	0.05	5-7	95-105	1.0	0.5	4.3	0.1x0.8
<b>Sunferrox™ Brown</b>														
Combination of C.I. 77491/92/99	4686	95	1.0	0.5	4	18	0.05	5-8	95-105	1.0	1.0	4.5	0.1x0.8	irregular
<b>Sunferrox™ Black</b>														
Black 11 C.I.77499	4330	95	1.0	0.5	N.A.	18	0.05	5-8	95-105	1.0	1.0	4.5	0.2	spherical
	4340	95	1.0	0.5	N.A.	30	0.05	5-8	95-105	1.0	1.0	4.5	0.2	

**Note:**

- (1) Green and Blue pigments are complex in nature.
- (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.

This information and our technical advice –whether verbal, in writing or by way of trials – are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our "General Conditions of Sale of Delivery."

DIVNOVA SPECIALITIES PVT. LTD.

[www.divnova.com](http://www.divnova.com)  
[info@divnova.com](mailto:info@divnova.com)

MUMBAI, INDIA

Ph: +91-22-24900505  
 Fax: +91-22-24900303