

TECHNICAL DATA SHEET

Iron Oxide Red S130



HERMES
CHEMISTRY

The substance is crucial.

Edition of	2021-02-16
Type	Red pigment
Delivery Form	Powder
Chemical Class	Synthetic iron oxide alpha-Fe ₂ O ₃
Color Index	Pigment red 101(77491)
CAS No.	1309-37-1
Use Recommendation	Coating Industry

COLOR VALUES AND TINTING STRENGTH

Reference			Standard: DIN 6174
	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Binder	Test Paste Based On R-05		
Full Shade			No.001, 2001-01-01
ΔL*	-0.7	+0.7	
Δa*	-0.7	+0.7	
Δb*	-0.7	+0.7	
ΔE*ab		1.0	

TECHNICAL DATA

	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Water-Soluble Content [%]		0.5	DIN ISO787 Part 3
Sieve Residue (0.045mm) [%]		0.1	DIN 53195
PH Value	5.0	7.0	DIN ISO787 Part 9
Moisture (After Production) [%]		1.0	DIN ISO787 Part 2
Loss on Heating 1000°C ^{1/2} h [%]		5.0	DIN 55913 Sheet 2
Particle Shape	Spherical		Electron Micrographs
Fe ₂ O ₃ [%]	95.0		DIN 55913 Sheet 2
Heat fastness [°C]	300		

Contact

Hermes Capital GmbH
Hofackerzeile 10
13627 Berlin, Germany
Tel: +49 33762 808870
E-Mail: chemistry@hermes-capital.de

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	<u>Approx.</u>	
Predominant Particle size [μM]	0.2	Electron Micrographs
Oil Absorption [$\text{g}/100\text{g}$]	15~25	DIN ISO787 Part 5
Tamped Density [g/ml]	~1.0	DIN ISO787 Part 11
Density [g/ml]	~5.0	DIN ISO787 Part 10

STANDARD PACKAGING

25kg/bag

TRANSPORT AND STORAGE

Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature. Special conditions for opened packaging: Close bags after use to prevent the absorption of moisture and contamination.

SAFETY

The product is not classified as dangerous under the relevant EC directives 67/584/EEC and corresponding national regulations valid in the individual EU member states. It is not dangerous according to transport regulations. In countries outside the EU, compliance with the respective national legislation concerning the classification, packaging, labeling and transport of dangerous substances must be ensured.

The information contained in the safety data sheet should be observed.

This contains information on handling, product safety and ecology

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Note: The raw materials used and the products manufactured by are submitted to precise plant control. The content of our technical leaflet is based on three decades of experience, research and technical back up. Due to continuous development and varying applications we reserve the right to revise and improve our product. Our technical department and experts are available to give assistance on request. An advantage you should make use of!