

48289 Iron Oxide Red

Product Information

Type:	Red pigment
Delivery form:	Powder
Chemical class:	Synthetic iron oxide α -Fe ₂ O ₃
Color Index:	Pigment Red 101 (77491)
CAS-No.:	1309-37-1

Informative technical data (standard values)

Fe ₂ O ₃	> 99 %
SiO ₂	< 0.020 %
CaO	< 0.025 %
Cr	< 0.040 %
Ni	< 0.10 %
TiO ₂	ca. 0.04 %
Cu	< 0.040 %
S	ca. 0.02 %
Al ₂ O ₃	< 0.090 %
P	< 0.0175 %
Cl	< 0.15 %
Sn	ca. 0.001 %
Zn	ca. 0.15 %
MgO	< 0.02 %
MnO	< 0.40 %
Na ₂ O	ca. 0.02 %
K ₂ O	ca. 0.05 %
Moisture content (after production) (%)	approx. 0.12 %
Predominant particle size (µm)	0.97
Tamped density (g/ml)	480 – 600 g/l
Specific surface (m ² /g)	3 – 4.5
Loss on ignition at 950°C (%)	0.4

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 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 must be observed. This contains information on handling, product safety and ecology.