48289  Iron Oxide Red

Product Information

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

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  < 0.020 %
Cl  < 0.150 %
Sn  ca. 0.001 %
Zn  ca. 0.15 %
MgO  < 0.02 %
MnO  < 0.40 %
Na$_2$O  approx. 0.02 %
K$_2$O  approx. 0.05 %

Moisture content (after production)  0.1 – 0.3 %
Tamped density  480 – 600 g/l
Density  approx. 5.15 g/cm$^3$
Loss on ignition at 950°C  < 0.4 %
Predominant particle size  approx. 5.8 µm

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.