

TECHNICAL DATA SHEET



FeOEX R110

DESCRIPTION

Trade name	Iron oxide, Iron oxide red
Chemical name	Diiron trioxide
Chemical formula	Fe ₂ O ₃
CAS No./EC No.	1309-37-1/215-168-2
Type	FeOEX R110
Delivery form	Powder
REACH Registration No	01-2118457614-35-0175

SPECIFICATION

Characteristics	Unit	Methods	Specification
ΔL^*	-	eqv DIN EN ISO 787-25	± 0.70
Δa^*	-	eqv DIN EN ISO 787-25	± 0.70
Δb^*	-	eqv DIN EN ISO 787-25	± 0.70
Relative tinting strength	%	eqv DIN EN ISO 787-24	≥ 95
Sieve residue (45 μ m)	%	eqv DIN EN ISO 787-7	≤ 0.30
Oil absorption	g/100g	eqv DIN EN ISO 787-5	≤ 25.0
pH value	-	eqv DIN EN ISO 787-9	3.0 - 7.0
Volatile at 105°C	wt %	eqv DIN EN ISO 787-2	≤ 1.0
Water-soluble content	wt %	idt DIN EN ISO 787-3	≤ 0.50
Tamped density	g/ml	eqv DIN EN ISO 787-11	1.00 - 1.50
Fe ₂ O ₃ Content	wt %	eqv DIN EN ISO 1248	≥ 95.0

PACKAGING

In 25-30kg bags or 1000kg bulk bags then palletized.

SHELF LIFE

5 years from manufacturing date with bag not opened under proper storage conditions.
It could be used after 5 years if good results in recheck and retest before use.

TRANSPORT & STORAGE

Store in a dry place and avoid extreme temperature changes.

During storage, avoid temperatures above 80°C as the pigment may undergo irreversible changes in hue.

For opened packaging bags, the mouth of the bag should be tied tightly to prevent moisture absorption 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.

According to transport regulations, this product is not classified as dangerous.

In countries outside the EU, compliance with relevant national laws and regulations on the classification, packaging, labeling and transportation of dangerous substances must be ensured.

The Safety Data Sheet should be read carefully as it contains information on product handling, safety and ecology.

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