
Technical Data Sheet

Iron Oxide Powder

Product ID: 260800PD001 - 260800PD005

Formula: Fe_2O_3

Molecular weight: 159.69 g/mol

CAS No.: 1309-37-1

EINECS No.: 215-168-2

Color: Red-brown

Description: We offer Fe_2O_3 powders in purities of 99%, 99.9%, and 99.99%, exhibiting excellent chemical stability, high-temperature resistance, and coloring properties.

Application: Pigments, ceramics, magnetic materials, metallurgy, etc.

Product

Image:



1. Sizes

Product ID	Formula	Size
260800PD001	Fe_2O_3 (99%)	/
260800PD002	Fe_2O_3 (99.9%)	-100 Mesh
260800PD003	Fe_2O_3 (99.9%)	-325 Mesh
260800PD004	Fe_2O_3 (99.99%)	-200 Mesh
260800PD005	Fe_2O_3 (99.99%)	-325 Mesh
260800PD2NDZ	Fe_2O_3 (99%)	Customized
260800PD3NDZ	Fe_2O_3 (99.9%)	Customized
260800PD4NDZ	Fe_2O_3 (99.99%)	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)				
	Si	Na	Mg	Ni	Al
99%	≤ 800	≤ 150	≤ 200	≤ 200	≤ 300
99.9%	≤ 150	≤ 50	≤ 100	≤ 80	≤ 150
99.99%	≤ 20	≤ 5	≤ 10	≤ 5	≤ 5

Note: The purity values shown are calculated by subtracting the sum of selected measured elemental impurities from 100%.

These values do not represent the result of a full elemental analysis.

3. Packaging

Sealed plastic bags, aluminum foil bags, or moisture-proof double-layer vacuum packaging. Custom packaging is also available.

4. Period of Validity

It is recommended to use this product within 12 months. If it is overdue, the product quality status should be re-evaluated.

5. Handling and Storage

It is recommended to wear appropriate protective equipment during handling to avoid dust generation and inhalation of the powder.

Store in a cool, dry, and well-ventilated environment in a sealed container, avoiding moisture and contamination.

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