

Product Information

Bayoxide® E 8706

Description

Type	Technical Oxide
Delivery form	Powder
Chemical class	Synthetic iron oxide Fe ₃ O ₄
CAS-No.	1317-61-9
REACH registration no.	01-2119457646-28-0000

Specification

Technical Data	min	max	Test method
Fe ₂ O ₃ -Content [%]	98		DIN 55913:1972
Specific Surface Area [m ² /g]	7	9	DIN 66131:1993
Moisture content (ex works) [%]		1	DIN EN ISO 787-2:1995
Coercivity IHc [Oe]	45	65	Test method ³⁵
Remanence Br [G]	270	420	Test method ³⁵
Remanence Br [emu/g]	4.7	7.3	Test method ³⁵
Saturation magnetization Bs [G]	4900	5400	Test method ³⁵
Saturation magnetization Bs [emu/g]	84.8	93.5	Test method ³⁵

Informative technical data (guide values)

			Test method
Fe ₃ O ₄ Content [%] ⁵³	>	99.5	information about the determination of iron oxide ⁴¹
Predominant particle size [µm]	~	0.3	Electron micrographs
pH value		5.5 - 8.0	DIN EN ISO 787-9:1995
Density [g/ml]	~	4.6	as per DIN EN ISO 787-10:1995

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Packaging

The product is available in sacks or bulk bags. For further information please ask your local contact or send an enquiry by e-mail to [mailto: ipg.product-information@lanxess.com](mailto:ipg.product-information@lanxess.com)

Transport and storage

Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature.
When storing large quantities of pigments, temperatures above 80 °C must be avoided as an alteration (oxidation) of the pigment may be caused by heat.
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, labelling and transport of dangerous substances must be ensured.
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Status of registration (not specified)

The components of this product are listed on the following inventories:

Europe: EINECS	USA: TSCA	Canada: DSL	Australia: AICS	New Zealand: NZIOC
Philippines: PICCS	Japan: METI	Korea: ECL	China: IECSC	Taiwan: NECSI

³⁵ The magnetic data were measured with a magnetometer MA7 at a maximum field strength of 5 kOe assuming a density of 4.6 g/cm³.

⁴¹ obtainable from LANXESS Deutschland GmbH, Business Unit Inorganic Pigments, Fax +49-2151-88-9599-4139, [mailto: ipg.product-information@lanxess.com](mailto:ipg.product-information@lanxess.com)

⁵³ Minor elements may arise from the raw materials used. However, these are firmly bound to the crystal lattice as ions.