

Product Information

Bayferrox® 950

Description

Type	Yellow pigment with high thermal stability
Delivery form	Powder
Chemical class	Synthetic zinc ferrite $ZnFe_2O_4$
Colour Index	Pigment yellow 119 (77496) ⁴
CAS-No.	68187-51-9
REACH registration no.	01-2119457570-39-0000

Specification

Colour values and tinting strength			
Standard	Bayferrox 950		
Year	2012		
Binder: Test paste based on a non drying alkyd resin ⁴⁶	Full shade	Reduction⁴⁵ with titanium dioxide (1:5)	Test method No. 001 ⁴¹
ΔE_{ab}^*	1.7		
Binder: Barytes Relative tinting strength [%]		95 105	Test method No. 003 ⁴¹

Specification

Technical Data	min	max	Test method
water-soluble content [%]		0.5	DIN EN ISO 787-3:1995
Sieve residue (0.045 mm sieve) [%]		0.1	DIN EN ISO 787-7:2009
pH value	6.0	10.0	DIN EN ISO 787-9:1995

Informative technical data (guide values)

ZnFe ₂ O ₄ content [%] ⁵³	>	98.8	Test method Atomic spectroscopy
Loss on ignition at 1000 °C, 0.5 h [%] ³	<	0.5	similar to DIN 55913-2:1972
Moisture content (after production) [%]	<	0.5	DIN EN ISO 787-2:1995
Particle shape		acicular	Electron micrographs
Predominant particle size [µm]		0.15 x 0.5	Electron micrographs
Oil absorption [g/100 g]	~	18	DIN EN ISO 787-5:1995
Tamped density [g/ml]		0.7 - 1.1	DIN EN ISO 787-11:1995
Density [g/ml]	~	5.2	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

General storage conditions:	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

Classification	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.
Additional Information	<p>In countries outside the EU, compliance with the respective national legislation concerning the classification, packaging, labelling and transport of dangerous substances must be ensured.</p> <p>The safety data sheet should be observed. This contains information on handling, product safety and ecology. The safety data sheet is available at www.bayferrox.de.</p>

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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

³ Iron oxide yellow pigments contain a large amount of chemically bound water that is also recorded

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

⁴⁵ Colour values after matching of the tinting strength parameter Y, i.e. $\Delta L^*=0$

⁴⁶ similar to wet system DIN 55983:1983

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