

Product Information

IOX R 01

Description

Type	Red pigment
Delivery form	Powder
Chemical class	Synthetic iron oxide alpha Fe ₂ O ₃
Colour Index	Pigment red 101 (77491)
CAS-No.	1309-37-1
REACH	01-2119457614-35-0000

Specification

Colour values and tinting strength				
Standard	IOX R 01			
Year	2002			
Binder		min	max	Test method
Test paste based on a non-drying alkyd resin ⁴⁶	Delta E _{ab} * ⁴⁵		2.0	No. 001 of 20-01-2006 ⁴¹
Cement mortar	Relative tinting strength [%]	95	105	
Technical data				
Sieve residue (0,045 mm) [%]			0.3	DIN 53195 (1990)

Informative technical data (guide values)

				Test method
Alpha - Fe ₂ O ₃ Content [%] ¹⁵³	>	96.1		DIN 55913:1972 sheet 2
pH value		3	- 8	DIN EN ISO 787-9:1995
Water soluble content [%]	<	1.5		DIN EN ISO 787-3:1995
Moisture content (at delivery) [%]	~	1		DIN EN ISO 787-2:199

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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.

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. The safety data sheet should be observed. This contains information on handling, product safety and ecology.

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

⁴¹obtainable 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)

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

⁴⁶similar to wet system DIN 55983:1983

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