

# Bayoxide E 33

Edition: 2002-08-22  
Replaces edition of: 2001-11-09

<b>Type</b>	Technical oxide	
<b>Form supplied</b>	Granules	
<b>Chemical designation</b>	Synthetic iron oxide hydroxide $\alpha$ -FeOOH	
<b>CAS no.</b>	20344-49-4	
<b>Specification</b>	<b>Technical data</b>	
	Fe <sub>2</sub> O <sub>3</sub> Test method DIN 55 913 (1972)	min. 60 %
	Bulk density Test method DIN ISO 787 Part 11 (1995)	min. 0.4 g/cm <sup>3</sup> max. 0.6 g/cm <sup>3</sup>
	Specific surface area Test method DIN 66 131 (1993)	min. 120 m <sup>2</sup> /g    max. 200 m <sup>2</sup> /g
	Water-soluble content Test method DIN EN ISO 787 Part 3 (1995)	max. 1.0 %
	Water content (ex works) Bayer test method SSP 27472	max. 20 %
	Sieve analysis < 0.5 mm Bayer test method K006-00	max. 20 %
	Sieve analysis > 2.0 mm Bayer test method K006-00	max. 5 %
	Al Test method: ICP OES DIN 11885	< 350 ppm
	Ba Test method: ICP DIN 38406 -22	< 10 ppm
	Co Test method: ICP DIN 38406 -22	< 100 ppm
	Cr Test method: ICP OES DIN 11885	< 250 ppm
	Cu Test method: ICP DIN 38406 -22	< 100 ppm
	Mn Test method: ICP DIN 38406 -22	< 3,000 ppm
	Ni Test method: ICP DIN 38406 -22	< 300 ppm
	Pb Test method: ICP DIN 38406 -22	< 3 ppm
	Zn Test method: ICP DIN 38406 -22	< 100 ppm
<b>Informative technical data (guide values)</b>	Density Test method DIN ISO 787 Part 10 (1995)	approx. 3.6 g/cm <sup>3</sup>

---

<b>Standard packaging</b>	500-kg bulk bag min. 500 kg    max. 505 kg
<b>Transport and storage</b>	Protect against weathering. Avoid extreme fluctuations in temperature. Special conditions for opened packaging: Avoid crushing the granules. Close bags to prevent the absorption of moisture and contamination.
<b>Safety</b>	<p>Interfering ions, the pH of the water and other factors may influence the performance of Bayoxide E 33. The user of the product is responsible for monitoring the quality of the treated water to ensure that it complies with local regulations.</p> <p>The product must not be used for the treatment of water at a pH below 5 and above 10. The safety data sheet should be observed. This contains information on handling, product safety and ecology.</p> <p>Safety data sheet no. 411144</p> <p>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.</p> <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>
<b>Disposal of waste product</b>	<p>The spent media is to be disposed of in approved landfills provided local regulations are observed. The media is educted from the adsorber vessel into a purpose built tanker. Operators should confirm that they can meet any local landfill tipping conditions.</p> <p>For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.</p>

---

This information and our technical advice - whether verbal, in writing or by way of trials - are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to check its validity and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sale and Delivery.