

## Product Information

### Bayferrox® 330

#### Description

<b>Type</b>	Black pigment	<b>Delivery Form</b>	Powder
<b>Chemical Class</b>	Synthetic Iron Oxide	<b>Color Index</b>	Pigment Black 11 (77499)
<b>Standard</b>	Fe <sub>3</sub> O <sub>4</sub>	<b>Manufacturer</b>	LANXESS GmbH
<b>CAS-No.</b>	2015 1317-61-9		

Specified values are determined to LANXESS internal quality control procedures. Color readings are reported in CIELab\* units.

#### Specifications

	<u>Minimum</u>	<u>Maximum</u>	<u>Test Method</u>
<b>1. Color (TiO<sub>2</sub> reduction, 1:5)*<sup>45,46</sup></b>			No. 001 <sup>41</sup>
$\Delta a^*$	-0.7	0.7	
$\Delta b^*$	-0.9	0.9	
$\Delta E^*$		1.0	
<b>2. Relative Tinting Strength (Barytes)</b>	95	105	No. 003 <sup>41</sup>
<b>3. pH</b>	4.0	8.0	DIN EN ISO 787-9 (1995)
<b>4. Water Soluble Salts (max %)</b>		1.75	DIN EN ISO 787-3 (2000)

\*Binder test paste is based on a non-drying alkyd resin

**Bayferrox® 330 – Informative Technical Data\***

		Test Method
Content Fe <sub>3</sub> O <sub>4</sub> (%) <sup>53</sup>	> 95.8	Information about the determination of iron oxide <sup>41</sup>
Loss on ignition at 1000°C, ½ hr. (max %) <sup>5</sup>	< 5.0	DIN 55 913 page 2 (1972)
Moisture content – after production (%)	< 4.0	DIN EN ISO 787 Part 2 (1995)
Particle Shape	spherical	Electron Microscope
Predominant Particle size (Microns)	~ 0.15	Electron Microscope
Oil Absorption (g/100g)	~ 21	DIN EN ISO 787 Part 5 (1995)
Tap Density (g/ml)	0.8 - 1.2	DIN EN ISO 787 Part 11 (1995)
Density (g/ml)	~ 4.6	DIN EN ISO 787 Part 10 (1995)

<sup>5</sup> In iron oxide black pigments, a chemical transformation (oxidation) is also recorded when determining the loss on ignition.

<sup>41</sup> Obtainable from LANXESS Deutschland GmbH, Business Unit Inorganic Pigments, [mailto: ipg.product-information@lanxess.com](mailto:ipg.product-information@lanxess.com)

<sup>45</sup> Colour values after matching of the tinting strength parameter Y, i.e. Δ L\*=0

<sup>46</sup> Similar to wet system DIN 55983:1983

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

\*These items are provided as general information only. They are approximate values and are not considered part of the product specification.

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Note: The information contained in this publication is current as of March 2015. Please contact LANXESS to determine if this publication has been revised