

Product Information

Bayferrox® 320 U.S.

Description

Type	Black pigment	Delivery Form	Powder
Chemical Class	Synthetic Iron Oxide	Color Index	Pigment Black 11 (77499)
Standard	Fe ₃ O ₄ 1999	Manufacturer	LANXESS Corporation
CAS-No.	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>
1. Color (TiO ₂ reduction, 1:5)*	Δa^*	-0.8	0.8	White Cement – Color and Tinting Strength Evaluation ⁴¹
	Δb^*	-0.8	0.8	
	ΔE^*		1.5	
2. Relative Tinting Strength (TiO ₂ reduction, 1:5)		95%	105%	White Cement – Color and Tinting Strength Evaluation ⁴¹

*Binder test paste is based on white cement

Bayferrox® 320 U.S. – Informative Technical Data*

		Test Method
Iron Oxide Content (%) ⁵³	86 - 95	Information about the determination of iron oxide ⁴¹
Loss on ignition at 1000°C, ½ hr. (%)	< 5	DIN 55 913 page 2 (1972)
Moisture content – after production (%)	< 4	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)
⁴¹ Obtainable from LANXESS Corporation, Business Unit Inorganic Pigments ⁵³ 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