

Product Information

Bayferrox® 318NM

Description

Type	Black Pigment	Delivery Form	Powder
Chemical Class	Synthetic Iron Oxide	Color Index	Pigment Black 11 (77499)
Standard	Fe ₃ O ₄	Manufacturer	LANXESS
CAS-No.	2010		
	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>
1. Color (TiO ₂ reduction, 1:5)	Delta L*	Adjusted to equal 0.0	
	Delta a*	-0.7	0.7
	Delta b*	-0.9	0.9
	Delta E*		1.0
2. Relative Tinting Strength (TiO ₂ reduction, 1:5)		95%	105%
3. Dispersibility	Heg 1	6.4	
	Heg 2	5.0	
	Heg 3	3.6	
4. pH		5.0	8.0
5. Water Soluble Salts (max %)			0.7

Bayferrox® 318NM – Informative Technical Data (Typical Values)*

	Approximate	Test Method
Content Fe ₃ O ₄ (%)	> 96.8	similar to DIN 55 913 Sheet 2 (1972)
Loss on ignition at 1000°C, ½ hr. (max %)	< 5.0	similar to DIN 55 913 Sheet 2 (1972)
Moisture content – after production (%)	< 2.5	as per DIN EN ISO 787 Part 2 (1995)
Particle Shape – Spherical	---	Electron Microscope
Predominant Particle size (Microns)	0.2	Electron Microscope
Oil Absorption (g/100g)	21	as per DIN EN ISO 787 Part 5 (1995)
Tap Density (g/ml)	0.8 – 1.2	as per DIN EN ISO 787 Part 11 (1995)
Density (g/ml)	4.6	as per DIN EN ISO 787 Part 10 (1995)

*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 June, 2014. Please contact LANXESS to determine if this publication has been revised