

Product Information

Bayferrox® 120NU

Description

Type	Red Pigment	Delivery Form	Powder
Chemical Class	Synthetic iron oxide alpha-Fe ₂ O ₃	Color Index	Pigment Red 101 (77491)
Standard	2009	Manufacturer	LANXESS
CAS-No.:	1309-37-1		

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 (Masstone in lacquer)	Delta L*	-0.5	0.5
	Delta a*	-0.9	0.9
	Delta b*	-1.0	1.0
	Delta E*		1.3
2. Color (TiO₂ reduction, 1:5)	Delta L*	Adjusted to equal 0.0	
	Delta a*	-1.0	1.0
	Delta b*	-1.0	1.0
	Delta E*		1.3
3. Relative Tinting Strength (TiO ₂ reduction, 1:5)		95%	105%
4. Sieve Residue (%)			0.05

Bayferrox® 120NU – Informative Technical Data (Typical Values)*

	Approximate	Test Method
Content Fe ₂ O ₃ (%)	95	DIN 55 913 Sheet 2 (1972)
Content SiO ₂ + Al ₂ O ₃ (%)	4.0	DIN 55 913 Sheet 2 (1972)
Loss on ignition at 1000°C, ½ hr. (%)	0.7	DIN 55 913 Sheet 2 (1972)
Moisture content – after production (%)	0.5	DIN EN ISO 787 Part 2 (1995)
Particle Shape – Spherical	----	Electron Microscope
Predominant Particle size (Microns)	0.11	Electron Microscope
Oil Absorption (g/100g)	28	DIN EN ISO 787 Part 5 (1995)
Tamped Density (g/ml)	1.1	DIN EN ISO 787 Part 11 (1995)
Density (g/ml)	5.0	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, 2010. Please contact LANXESS to determine if this publication has been revised