

## Product Information

### Bayferrox® 663/4

#### Description

<b>Type</b>	Brown pigment	<b>Delivery Form</b>	Powder
<b>Chemical Class</b>	Synthetic Iron Oxide (Mixture)	<b>Color Index</b>	Pigment Red 101 (77491) / Pigment Yellow 42 (77492) / Pigment Black 11 (77499)
<b>Standard</b>	2007	<b>Manufacturer</b>	LANXESS Corporation
<b>CAS-No.</b>	1309-37-1/1317-61-9/		

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</b> (TiO <sub>2</sub> reduction, 1:5)*	$\Delta L^*$	-0.8	0.8	White Cement – Color and Tinting Strength Evaluation <sup>41</sup>
	$\Delta a^*$	-0.8	0.8	
	$\Delta b^*$	-0.8	0.8	
	$\Delta E^*$		1.5	
<b>2. Relative Tinting Strength</b> (TiO <sub>2</sub> reduction, 1:5)		95%	105%	White Cement – Color and Tinting Strength Evaluation <sup>41</sup>

\*Binder test paste is based on white cement

## Bayferrox® 663 – Informative Technical Data\*

		Test Method
Iron Oxide Content (%) <sup>53</sup>	86 - 95	Information about the determination of iron oxide <sup>41</sup>
Loss on ignition at 1000°C, ½ hr. (%)	0.7 - 14	DIN 55 913 page 2 (1972)
Moisture content – after production (%)	0.3 - 4	DIN EN ISO 787 Part 2 (1995)
Particle Shape	Variable	Electron Microscope
Predominant Particle size (Microns)	Variable	Electron Microscope
Oil Absorption (g/100g)	21 - 60	DIN EN ISO 787 Part 5 (1995)
Tap Density (g/ml)	0.4 – 1.2	DIN EN ISO 787 Part 11 (1995)
Density (g/ml)	4.1 - 5.0	DIN EN ISO 787 Part 10 (1995)
<sup>41</sup> Obtainable from LANXESS Corporation, Business Unit Inorganic Pigments <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