Product Information

Bayferrox® TP 5272

Description

Type	Red pigment
Delivery form	Powder
Chemical class	Synthetic iron oxide α - Fe_2O_3
Colour Index	Pigment red 101 (77491)
CAS-No.	1309-37-1
REACH registration no.	01-2119457614-35-0000

Specified Color Data

Colour values and tinting strength					
Standard	Bayferrox TP 5272				
Year	07/2017				
Binder: Test paste based on a non drying alkyd resin	**Full shade**		**Reduction** [45] with titanium dioxide (1:5)		**Test method** No. 001 [41]
	min	**max**	**min**	**max**	
Δ L^*	-0.5	0.5			
Δ a^*	-0.8	0.8	-0.8	0.8	
Δ b^*	-0.8	0.8	-0.8	0.8	
Δ E^*_{ab}		1.0		1.0	
Relative tinting strength [%]			95	105	

Specified Technical Data

Technical Data	**min**	**max**	**Test method**
Water-soluble content [%]		0.5	similar to DIN EN ISO 787-3:2000
Sieve residue (0.045 mm sieve) [%]		0.05	DIN EN ISO 787-7:2009
pH value	4.5	6.5	DIN EN ISO 787-9:1995

BAYFERROX® Color for Life.

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Informative Technical Data (guide values)

			Test method
α - Fe_2O_3 content [%] [53]	>	98.9	Information about the determination of iron oxide [41]
Loss on ignition at 1000 °C, 0.5 h [%]	<	4.0	DIN 55913-2:1972
Moisture content (after production) [%]	<	1.0	DIN EN ISO 787-2:1995
Particle shape		spherical	Electron micrographs
Predominant particle size [µm]	~	0.1	Electron micrographs
Oil absorption [g/100 g]	~	20	DIN EN ISO 787-5:1995
Tamped density [g/ml]	~	1.0	similar to DIN EN ISO 787-11:1995
Density [g/ml]	~	5.0	DIN EN ISO 787-10:1995

[41] Obtainable from LANXESS Deutschland GmbH, Business Unit Inorganic Pigments, mailto: ipg.product-information@lanxess.com

[45] Colour values after matching of the tinting strength parameter Y, i.e. Δ L*=0

[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 August 2017. Please contact LANXESS to determine if this publication has been revised