

Technical Data Sheet

Bayferrox® 918LO

Description

Type	Yellow pigment
Delivery form	Powder
Chemical class	Synthetic Iron hydroxide - FeOOH
Colour Index	Pigment yellow 42 (77492)
CAS-No.	51274-00-1

Specified Color Data

Color values and tinting strength			
Standard	Bayferrox 918LO		
Lot	2014		
Binder:	Test Method based on DIN 55 983 (1983)		
Test paste based on a non drying alkyd resin			
	min	max	Test method
Full Shade			Based on DIN 6174
Delta-L*	-0.8	0.8	
Delta-a*	-0.8	0.8	
Delta-b*	-0.8	0.8	
Delta-E _{ab} *		1.4	
Reduction with titanium dioxide (1:5)	Based on DIN6174 & 55986		
Delta-a*	-0.8	0.8	
Delta-b*	-0.8	0.8	
Delta-E _{ab} *		1.4	
Relative tinting strength [%]	95	105	Based on DIN 55 913

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Specified Technical Data

Technical data	min	max	Test method
Sieve residue 325 Mesh [%]		0.05	Based on ASTM D-185
pH	4.0	8.0	Based on ASTM D-1208

Informative Technical Data (Guide Values)

	min.	max.	Test method
FeOOH Content [%]	98.6		Based on ASTM D-50
Soluble Salts [%]		0.5	Based on ASTM D-1208
Oil absorption [g/100g]	22	28	Based on ASTM D-281
Particle shape		acicular	Electron micrographs
Tamped density [g/cm ³]	0.6	0.9	Based on ASTM D-787-11
Density [g/cm ³]	3.8	4.2	Based on ASTM D-153-75
Moisture content after production [%]		0.5	Based on ASTM D-280

Packaging

650 kg – big bag
 20 kg – paper bag
 22.68 kg – paper bag
 907.20 kg – big bag

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Transport and Storage

General storage conditions: Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature.

Special conditions for opened packaging: Close bags after use to prevent the absorption of moisture and contamination.

Shelf life: This product has an excellent shelf life. We recommend that this product is used within ten years of the date of manufacture and limit our product warranty to this period. During the first ten years after the date of manufacture we are able to ensure compliance with this specification, provided the material has been stored as stated above and the packaging materials remain undamaged. It must be taken into account that the packaging mean can have a shelf life considerably shorter than the one for this product. All recommendations and warnings given on the packaging must strictly be adhered to. Deviations from storage conditions can lead to undesired changes on side of the packaging materials. These succumb to ageing which may also lead to compromising their capability to protect the product. Concerning their estimated service life we differentiate between the following packaging materials.

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Safety

Classification: Under the relevant directives and corresponding national regulations valid in the individual EC member states, the product is not classified as dangerous. It is not dangerous according to transport regulations.

Chemical product is not classified as dangerous according with ABNT NBR 14725-2 and ANTT No 5232/2016 resolution.

Additional information: The safety data sheet should be observed. The SDS (safety data sheet) can be obtained by e-mail to: fichadeseguranca@lanxess.

Use

Bayferrox 918LO is broadly used in several applications, however its use is not recommended in food and drugs.

Site address

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