

Technical Data Sheet

Bayferrox® 918LOM

Description

Type	Yellow pigment
Delivery form	Powder
Chemical class	Iron hydroxide - FeOOH
Color Index	Pigment yellow 42 (77492)
CAS-Nr.	20344-49-4

Colorimetric Data

Color values and tinting strength			
Reference	Bayferrox 918LOM		4508926
Binder	Test paste based on a non drying alkyd resin		Test Method based on DIN 55 983 (1983)
	min.	max.	Test method
Full Shade			Based on DIN 6174
Delta-L*	-0,8	0,8	
Delta-E _{ab} *		1,4	
Reduction with titanium dioxide (1 : 5)			Based on DIN6174 & 55986
Color values after matching of the tinting strength parameter: Y, d. h.			
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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Specification

Technical Data	min.	max.	Test method
Sieve residue 325 Mesh [%]		0,008	Based on ASTM D-185
pH value	4,0	8,0	Based on ASTM D-1208

Informative technical data

	min.	max.	Test method
Fe ₂ O ₃ Content [%]	85	89	Baseado na norma ASTM D-50
Soluble Salts [%]		0,5	Baseado na norma ASTM D-1208
Oil absorption [g/100g]	22	28	Baseado na norma ASTM D-281
Particle shape		Acicular	
Tamped density [g/cm ³]	0,6	0,9	Baseado na norma ASTM D-787-11
Density [g/cm ³]	3,8	4,2	Baseado na norma ASTM D-153-75
Moisture content after production [%]		0,5	Baseado na norma ASTM D-280
Hegman	6,5		Baseado na norma ASTM D-153

Packaging

650 kg – big bag
20 kg – paper bag

Transport and Storage

Protect against weathering.
Store in a dry place and avoid extreme temperature fluctuations.
Close bag after use to prevent moisture absorption and contamination.

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Safety

Bayferrox 918LOM is not classified as dangerous substance according to transport regulations (not classified).

The sample handling does not need special procedure.

The safety data sheet should be observed. It contains information on handling, product safety and ecology.

Use

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

Site address

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