

# TECHNICAL DATA SHEET

YIPIN<sup>®</sup> Iron Oxide Pigment  
Iron Oxide Red S116



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<b>Edition of</b>	2014-02-18
<b>Type</b>	Red pigment
<b>Delivery Form</b>	Powder
<b>Chemical Class</b>	Synthetic iron oxide alpha-Fe <sub>2</sub> O <sub>3</sub>
<b>Color Index</b>	Pigment red 101(77491)
<b>CAS No.</b>	1309-37-1
<b>Use Recommendation</b>	Construction Industry

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## COLOR VALUES AND TINTING STRENGTH

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Reference			Standard: ASTM
	<b>Min</b>	<b>Max</b>	<b>Test Method</b>
Reduction with titanium dioxide (1:2)	R-706		ASTM D 387
ΔL*	-0.4	+0.2	
Δa*	-0.4	+0.1	
Δb*	0		
ΔE*ab		0.6	
Binder	R-05		
Relative tinting strength [%]	99.0	105.0	ASTM D 387

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	<b>Min</b>	<b>Max</b>	<b>Test Method</b>
Water-Soluble Content [%]		1.0	ASTM D 1208
Sieve Residue (0.045mm) [%]		0.5	ASTM D 185
Fe <sub>2</sub> O <sub>3</sub> [%]	94.0		ASTM D 50
Moisture (After Production) [%]		1.0	ASTM D 280
pH Value	5.0	7.0	ASTM D 1208
Particle Shape	Spherical		Electron Micrographs

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	<u>Approx.</u>	
Predominant Particle size [ $\mu\text{M}$ ]	0.1	Electron Micrographs
Oil Absorption [ $\text{g}/100\text{g}$ ]	~25	ASTM D 281
Density [ $\text{g}/\text{ml}$ ]	~5.0	ASTM D 153

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<b>STANDARD PACKAGING</b>	50LB/bag
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## TRANSPORT AND STORAGE

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.

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## SAFETY

The product is not classified as dangerous under the relevant EC directives and corresponding national regulations valid in the individual EU member states. It is not dangerous according to transport regulations. In countries outside the EU, compliance with the respective national legislation concerning the classification, packaging, labeling and transport of dangerous substances must be ensured.

The information contained in the safety data sheet should be observed.

This contains information on handling, product safety and ecology.

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