

TECHNICAL DATA SHEET

Iron Oxide Yellow S920



HERMES
CHEMISTRY

The substance is crucial.

Edition of	2020/10/12	CPH
Type	Yellow Pigment S920	
Chemical name	Synthetic iron oxide α -FeOOH	
Delivery Form	Powder	
Colour-Index	Pigment Yellow 42 (77492)	
CAS-No.	51274-00-1	
EC-No.	257-098-5	
REACH no.	01-2119457554-33-0020	

COLOR VALUES AND TINTING STRENGTH

	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Relativ tinting strength [%]	95	105	ISO 787-16

Binder: Alkyd Resin DQ	Full shade		Reduction		Test Method
	<u>Min</u>	<u>Max</u>	<u>Min</u>	<u>Max</u>	
			with TiO ₂ R2902(1:10)		
ΔL^*	-0.5	0.5	-0.5	0.5	ISO 787-1
Δa^*	-0.6	0.6	-0.6	0.6	
Δb^*	-0.6	0.6	-0.6	0.6	
ΔC^*	-0.6	0.6	-0.6	0.6	
ΔH^*	-0.6	0.6	-0.6	0.6	
ΔE_{ab}^*		1.0		1.0	

TECHNICAL DATA

<u>Properties</u>	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Water-Soluble Salts [%]		0.5	ISO 787-3
Sieve Residue [%] on 325 mesh		0.5	ISO 787-7
PH Value	3.5	7	ISO 787-9
Contents (Fe as Fe ₂ O ₃)	85.0		ISO 1248
Density [g/cm ³]	4.8		ISO 787-10

Note: The raw materials used and the products manufactured by are submitted to precise plant control. The content of our technical leaflet is based on three decades of experience, research and technical back up. Due to continuous development and varying applications we reserve the right to revise and improve our product. Our technical department and experts are available to give assistance on request. An advantage you should make use of!

TECHNICAL DATA SHEET

YIPIN® Iron Oxide Yellow S920



HERMES
CHEMISTRY

The substance is crucial.

		<u>Approx.</u>	<u>Test Method</u>
Oil Absorption [ml/100 g]	25	35	DIN ISO 787-5
As [mg/kg]		3.0	
Pb [mg/kg]		15.0	
Cr [mg/kg]		40.0	
Cd [mg/kg]		3.0	
Hd [mg/kg]		3.0	
Ni [mg/kg]		5.0	

STANDARD PACKAGING

20 kg paper bags / 600 kg big bag or according to customer requirements

TRANSPORT AND STORAGE

Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature and temperatures of above 80°C. Special conditions for opened packaging: Close bags after use to prevent the absorption of moisture and contamination.

SAFETY

The product is not classified as dangerous under the relevant EC directives 67/584/EEC 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.

This information is given in good faith, without warranty. It is also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General conditions of sale and delivery.

Contact

Hermes Capital GmbH

Hofackerzeile 10

13627 Berlin, Germany

Tel: +49 33762 808870

E-Mail: chemistry@hermes-capital.de

Note: The raw materials used and the products manufactured by are submitted to precise plant control. The content of our technical leaflet is based on three decades of experience, research and technical back up. Due to continuous development and varying applications we reserve the right to revise and improve our product. Our technical department and experts are available to give assistance on request. An advantage you should make use of!