



## TECHNICAL DATA

Edition of: 2018-01-01

<b>Trade name</b>	Iron oxide red			
<b>Type</b>	180			
<b>REACH</b>	Registration No. 01-2119457614-35-0043			
<b>Chemical class</b>	Diiron trioxide ( $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> )			
<b>Delivery form</b>	Powder			
<b>Colour index</b>	Pigment red 101 (77491)			
<b>CAS No./EC No.</b>	1309-37-1 / 215-168-2			
<b>Specifications</b>	Contents (Fe <sub>2</sub> O <sub>3</sub> )	%	≥96	ISO1248
	Oil absorption	g/100g	15~25	ISO787-5
	Res. on 325 mesh	%	≤0.3	ISO787-7
	Water soluble matter	%	≤0.3	ISO787-3
	Moisture	%	≤1.0	ISO787-2
	pH value		3~7	ISO787-9
	Ignition loss (1,000°C, ½ h)	%	≤4.0	DIN55913
	Bulk density	g/cm <sup>3</sup>	0.7~1.1	ISO787-11
	Specific gravity	g/cm <sup>3</sup>	5.0	ISO787-10
	Predominant particle size	µm	0.7	SEM
	Dispersibility (Hegman)	µm	20/25/30	ISO787-20
	Tinting Strength (Compared with Standard)	%	95~105	ISO787-24
	Color Difference $\Delta E$ (Compared with Standard)		≤1.0	ISO787-1
	<b>Sales packing</b>	In 25kg paper bag/1000kg bulk bag then palletized		
<b>Transport &amp; Storage</b>	Protect against weathering, store in a dry place.			
<b>Safety</b>	The product is not classified as hazardous under EC 1907/2006 & EC 1272/2008			