

## Technical Data Sheet

### BAYFERROX® 180 M



#### Description

Type	Red pigment - High Performance micronised
Delivery form	Powder
Chemical class	Synthetic iron oxide $\alpha$ - $\text{Fe}_2\text{O}_3$
Colour Index	Pigment red 101 (77491)
CAS-No.	1309-37-1
REACH registration no.	01-2119457614-35

#### Specified Color Data

Colour values and tinting strength				
Standard	Bayferrox 180 M			
Year	2019			
Binder:	Full shade		Reduction <sup>4*</sup>	Test method
Test paste based on a non drying alkyd resin			with titanium dioxide (1:5)	No. 001 <sup>41</sup>
$\Delta L^*$	-0.4	0.4		
$\Delta a^*$	-0.6	0.6	-0.5	0.5
$\Delta b^*$	-0.7	0.7	-0.5	0.5
$\Delta C^*_{ab}$	-0.8	0.8	-0.6	0.6
$\Delta H^*_{ab}$	-0.8	0.8	-0.6	0.6
$\Delta E^*_{ab}$		1.0		0.8
Relative tinting strength [%]			95	105

#### Specified Technical Data

Dispersibility	max	Test method	
Fineness of grind [ $\mu\text{m}$ ]	15/30/40	No. 004 <sup>41</sup>	
Technical Data	min	max	Test method
Water-soluble content [%]		0.3	similar to DIN EN ISO 787-3:2000
Sieve residue (0.045 mm sieve) [%]		0.002	DIN EN ISO 787-7:2009
pH value	5	8	DIN EN ISO 787-9:1995