

	QUALITY CERTIFICATE MICRONOX® TP300	Date of dispatch: 23/06/2020 Batch: CI02 Quantity: 3 TON Order: ORDER 10 Ref: PVE/20/0258
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PRODUCT DESCRIPTION		
Type	Red pigment	
Delivery form	Powder	
Chemical description	Iron oxide α -Fe ₂ O ₃	

TECHNICAL SPECIFICATIONS					
Property	Value	Unit	Max	Min	Test method
Fe ₂ O ₃ content	95.2	%	99.9	94.0	ISO 1248 Method A
Humidity	0.29	%	1	0.1	ISO 787-2
Residue on sieve of 45 µm	0.10	%	<0.5	-	ISO 787-7
Average particle size	18.4	µm	20	16.2	ISO 13320-1
Maximum particle size	100	µm	100	82.7	ISO 13320-1
Specific surface area	2.6	m ² /g	4.2	1.8	ISO 13320-1
pH of aqueous suspension	3.4	-	3.5	2.0	ISO 787-9
Specific gravity	5.0	g/cm ³	5.3	4.8	ISO 787-10
Bulk density	0.6	g/cm ³	0.8	0.4	ISO 787-11
Relative tinting strength	99	%	105	95	ISO 787-16
ΔE* CIElab parameter	0.76	-	≤1.5	-	ISO 787-1

EC DECLARATION OF CONFORMITY UNE-EN 12878:2007		
Certificate registration No.: 1239/CPD/0807001		
Pigment for a concrete, mortar and grout. Pigment for the colouring of building materials based on cement and/or lime for building materials belonging to categories A.		
Properties	Tests according to norms	Results
Setting time-initial	EN 196-3	179 min
Compressive strength (28 days)	EN 196-1	50.0 N/mm ²
Soluble chlorides	ISO 787-13	0.21%
Total chlorine	ISO 1158	<1.0%
Loss on ignition	EN 196-2	0.4%
Water soluble substances	ISO 787-3	0.6%
Heat resistance	EN 12878	500 °C
Weathering resistance	EN 12878	Excelent
Alkaline stability	EN 196-1	Excelent
Lightfastness	ISO 12040	BWS = 8 (excellent)

