



Laboratory Analytics

Synthetic Iron Oxide

Product Name:	IRON OXIDE ORANGE DB503	Lot N°:	A05084041
Date:	Aug. 25th, 2005	Quantity:	1000 gr Counter Sample

CHEMICAL AND PHYSICAL ANALYSIS

Properties	Unit	Specification	Value	Test Method
Fe as Fe ₂ O ₃	%	≥ 88.0	89.0	ISO 1248
Matter volatile at 105°C	%	≤ 1.0	0.7	ISO 787-2
Loss on ignition (100°C, 1/2h)	%	≤	/	DIN 55913
Water soluble matter	%	≤ 0.3	0.24	ISO 787-3
Conductivity	μ s/cm		/	ISO 787-14
pH value		3.5↔7	4.1	ISO 787-9
Residue on 325 mesh	%	≤ 0.3	0.11	ISO 787-7
Oil absorption	g/100g	20↔30	27.2	ISO 787-5
Tinting Strength (compared with Standard)	%	98↔102	94.58	ISO 787-24
Color (compared with Standard)			SIMILAR	ISO 787-1