



TECHNICAL DATA SHEET

Iron Oxide Red

Description	Synthetic, odorless red iron oxide			
INCI Name	CI 77491			
FDA Status	Certified for Pharmaceuticals and Cosmetics			
EG Status	E 172			
Chemical Composition	By weight	CAS No.	CI Number	Einecs
Red Iron Oxide	100 %	1309-37-1	77491	215-168-2
Trace Elements		max.	Result	
	Arsenic (AS)	3 ppm	< 0,1 ppm	
	Lead (PB)	10 ppm	0,18 ppm	
	Mercury (Hg)	1 ppm	< 0,1 ppm	
	Cadmium (Cd)	1 ppm	0,29 ppm	
	Zinc (Zn)	100 ppm	< 1 ppm	
	Chromium (Cr)	100 ppm	< 10 ppm	
	Copper (Cu)	50 ppm	0,2 ppm	
	Nickel (Ni)	200 ppm	< 2 ppm	
Fe	min. 68,0 %	Result:	69,78 %	
Water soluble matter	max. 1,0 %	Result:	0,07 %	
Bulk Density	5 g/cm ³			
Oil Absorption	21 g/100 g			
Particle size	0,3 µm			
Particle shape	spheroidal			
Loss on ignition	max. 1,0 %	Result:	0,31 %	

The product complies with the general purity requirements for „colouring matter present in foodstuffs may be used“, Directive 95/45/EC and the Code of Federal Regulations Title 21 Section 73. The above information is the result of the quality check of our producer/supplier. They don't free the processor from own tests and the implementation of an entrance check. A legal binding assurance of certain characteristics or suitability for a specific purpose cannot be derived from this information. Any intellectual property rights as well as existing laws and regulations must be observed by the recipient under his own responsibility.

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