

# Technical Data Sheet

## 490 Red Iron Oxide



### Introduction:

Blue shade red iron oxide pigment

CAS No. 1309-37-1

### Uses:

490 Red Iron Oxide is used in the paint and rubber industries to give a distinct, blue shaded, red colour. (Colour Index: 77491, Pigment Red 101)

### Typical Characteristics:

Composition				
	Substance	% Min Weight	% Max Weight	Test Method
	Fe <sub>2</sub> O <sub>3</sub>	98.5	99.5	QMT-10-106
	SiO <sub>2</sub>	0.01	0.1	XRF
	Al <sub>2</sub> O <sub>3</sub>	0.01	0.1	XRF
	Moisture	0.4	-	QMT-10-105
	Dispersion	4.0	-	QMT-10-102
	Water Soluble Salts	0.05	0.05	
Properties				
	Description	Unit	Value	Test Method
	pH	---	3 – 4.5	QMT-10-101
	+ 325 Mesh Retention	%	0.1	-
Typical Heavy Metal Analysis		Total, ppm	Soluble, ppm	Total – Acid Digestion Followed by FAAS and Hydride AAS analysis. Soluble- BS 5665 Part 3, 1995 (EN71 Part 3, 1994)
	Lead	50	4	
	Cadmium	5	1	
	Chromium	40	1	
	Arsenic	5	1	
	Antimony	5	5	
	Mercury	1	1	
	Barium	25	5	
	Selenium	<10	<10	

### Packaging:

Large Quantities:

24 x 25-kilo multi-ply paper bags on strong wooden pallet. (600 kg pallets)

Small Quantities:

Over slipped with strong multiwall paper sacks

### Shelf Life:

If stored in dry conditions, out of direct sunlight and avoidant of extreme temperatures, product performance should be unimpaired for 5 years.

### Health & Safety:

Detailed advice on the Health & Safety aspects of this product is given in the individual product Safety Data Sheet (SDS), available upon request.