



Admn. Off:  
5, PADMA CHAMBERS, 2<sup>ND</sup> FLOOR, OPP. GANDHI  
GRAM RAILWAY STATION, ELLISBRIDE,  
AHMEDABAD-380 009.  
Mobile No: +91- 98240 25996 / 94276 04412  
Tele / Fax: (079) 26582599

Regd. Off:  
9, UDAY FLATS, SANSKAR BHARTI SOCIETY,  
ANKUR ROAD, NARAYANPURA,  
AHMEDABAD-380 013.  
Website: www.oxidepigment.com  
E-mail: info@oxidepigment.com

**SPECIFICATION OF SYN. IRON OXIDE RED GRADE 249**

CHARACTERISTICS CHEMICAL & PHYSICAL	RED OXIDE
1. IRON OXIDE AS FE <sub>2</sub> O <sub>3</sub> %	95-97
2. ACIDITY AS H <sub>2</sub> SO <sub>4</sub> %	00.01
3. PH VALUE	06.50
4. OIL ABSORPTION %	65.00
5. BULK DENSITY g/m	00.34
6. RESIDUE ON 350 MESH SIEVE %	00.03
<b>IMPURITIES</b>	
1. SILICA (SiO <sub>2</sub> ) & ALUMINA (Al <sub>2</sub> O <sub>3</sub> ) %	00.5
2. WATER SOLUBLE SALT %	00.20
3. LIME AS CaO %	00.02

**Specification of Syn Red Iron Oxide 229**

1. IRON OXIDE AS FE <sub>2</sub> O <sub>3</sub> %	85-88 by Wt.
2. ACIDITY AS H <sub>2</sub> SO <sub>4</sub> %.....	0.60
3. PH VALUE.....	6.5
4. OIL ABSORPTION...	+ 5 Approved sample
5. FERROUS IRON AS FeO.....	1.0 %
6. VOLATILE MATTER	0.50 % by Wt.Max.
7. MATTER SOLUBLE IN WATER.....	0.75 % by Wt.Max.
8. CALCIUM COMPOUND .....	0.08 % by Wt.Max.
9. RESIDUE ON 350 MESH SIEVE % .....	PRACTICALLY NILL

**SPECIFICATION OF SY. IRON OXIDE RED GRADE 445**

OIL ABSORPTION	20 GRAM / 100 GRAM
WATER ABSORPTION	25.00%
BULK DENSITY BEFORE IMPACT	00.4 g/cc
BULK DENSITY AFTER IMPACT	00.7 g/cc
SPECIFIC GRAVITY	00.5 g/cc
Ph of 10% AUQUEOUS SOLUTION	06.5
MATERIAL RETAINED ON 240 B.S. SIEVE LESS THAN	00.5%
SHAPE OF PARTICLES	ROUND
<b>ANALYSIS</b>	
FERRIC OXIDE Fe <sub>2</sub> O <sub>3</sub>	98.13% = Fe 69.17
FERROUS OXIDE FeO	00.71%
SILICA SiO <sub>2</sub>	00.22% = SiO <sub>2</sub> + Al <sub>2</sub> O <sub>3</sub>
ALUMINIUM Al <sub>2</sub> O <sub>3</sub>	00.04 =0.26%
WATER SOLUBLE	00.96%
LOSS ON IGNITION AT 1000° CENTIGRADE FOR ½ HR	00.25%
MATTER INSOLUBLE IN CONCENTRATED HYDROCHLORIC ACIDE	00.23%

**SPECIFICATION OF SYNTHETIC IRON OXIDE RED GRADE  
809**

PARTICULARS	RESULTS IN PERCENTAGE
OIL ABSORPTION	42-50 Gram/100gram
WATER ABSORPTION	55.00%
BULK DENSITY BEFORE IMPACT	00.4758g/cc
BULK DENSITY AFTER IMPACT	00.6100g/cc
Ph of 10% AUQUEOUS SOLUTION	06.5
MATERIAL RETAINED ON 325 B.S. SIEVE LESS THAN	00.5%
SHAPE OF THE PARTICLES	ROUNDS
<b>ANALYSIS</b>	
FERRIC OXIDE Fe <sub>2</sub> O <sub>3</sub>	98.13% = Fe 69.17
FERROUS OXIDE FeO	00.71%
SILICA SiO <sub>2</sub>	00.22% = SiO <sub>2</sub> + Al <sub>2</sub> O <sub>3</sub>
ALUMINIUM Al <sub>2</sub> O <sub>3</sub>	00.04 = 0.26%
WATER SOLUBLE	00.96%
LOSS ON IGNITION AT 1000 DEGREE CENT. FOR ½ HOUR	00.25%
MATTER INSOLUBLE IN CONCENTRATED HYDROCHLORIC ACID	00.23%

*The information given in this data sheet corresponds to the experience so far gained in plant and laboratory. It can be used for reference purpose only. We are not responsible for any unexpected results caused by it.*