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SPECIFICATION OF SYN. IRON OXIDE YELLOW GRADE 329

CHARACTERISTICS	YELLOW OXIDE
CHEMICAL & PHYSICAL	
1. IRON OXIDE AS Fe_2O_3 %	85-87
2. ACIDITY AS H_2SO_4 %	00.01
3. PH VALUE	06.50
4. OIL ABSORPTION %	54.00
5. BULK DENSITY g/m	00.27
6. RESIDUE ON 350 MESH SIEVE %	00.02
IMPURITIES	
1. SILICA (SiO_2) & ALUMINA (Al_2O_3) %	00.5
2. WATER SOLUBLE SALT %	00.30
3. LIME AS CaO %	00.03

SPECIFICATION OF SYNTHETIC IRON OXIDE YELLOW GRADE -190

CHARACTERISTICS	ANALYSIS DATA
OIL ABSORPTION %	54.00
MOISTURE & OTHER VOLATILE MATTER, MAX%	0.5
RESIDUE ON 240 MESH IS SIEVE, MAX%	0.4
SPECIFIC GRAVITY @ 30° C	3.55
WATER SOLUBLE MATTER, MAX%	1.00
TOTAL HYDRATED OXIDE OF IRON, MIN %	93.00
pH (20% AQU.)	6.00
BULK DENSITY, gm/cc	0.26 + 0.02
Fe_2O_3 , MIN %	87.00

SPECIFICATION OF SYNTHETIC IRON OXIDE YELLOW GRADE 909.

PARTICULARS	RESULTS IN PERCENTAGE
SILICA SiO_2	0.3%
FERRIC OXIDE Fe_2O_3	87.1%
FERROUS OXIDE FeO	0.28%
ALUMINA Al_2O_3	0.48%
CALCIUM OXIDE CaO	0.28%
MAGNESIUM OXIDE MgO	ABSENT
LOSS ON IGNITION AT 1000 DEGREE CEN. FOR ½ HR LOI	12.5%
VOLATILE MATTER AT 105 DEGREE CENT.	0.70%
OIL ABSORPTION ON A VOLUME/MASS BASIS	56.00
BULK DENSITY (TAPPING)	0.26 gm/C.
MATTER SOLUABLE IN WATER PRESENT BY WEIGHT	0.075
ACIDITY AND ALKALINITY	NEUTRAL
SPECIFIC GRAVITY BY R.D. BOTTLE	3.94%

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.