



ORGANIC INDUSTRIES PRIVATE LTD.

S/163, GIDC, DAHEJ, TAL. VAGHRA., DIST. BHARUCH - 392 130, GUJARAT, INDIA.

PRODUCT DATA SHEET FOR POTASSIUM PERMANGANATE

PRODUCT NAME	:POTASSIUM PERMANGANATE
OTHER NAMES	:PERMANGANIC ACID,POTASSIUM SALT
MOLECULAR FORMULA	KMnO ₄
MOLECULAR WEIGHT	158.034 g/mol
PRODUCT CODE	C364
U.N.NO.	UN 1490
CLASS	5.1
HAZCHEM CODE	2Y
APPEARANCE	Dark purple to deep bronze crystals with mettalic shine and no odour.
MELTING POINT	240 °C (464 °F; 513 K) (decomposes)
SPECIFIC GRAVITY	2.7 @ 15°C
FLASH POINT	ASSIST COMBUSTION
FLAMABILITY LIMITS	NO DATA
SOLUBILITY IN WATER	6.4 g/100mL (20 °C) 250 g/L (65 °C)
SOLUBILITY	Decomposes in alcohol and organic solvents

GRADE	TECHNICAL GRADE
MARKET REQUIREMENT	Specifications
Typical Properties	
Assay	
Purity(KMnO ₄)	99.00% Min
Insoluble	1.00% Max
Moisture (as H ₂ O)	0.50% Max
Chloride (as Cl)	0.10%Max
Sulphate (as SO ₄)	0.20%Max
Nitrogen (Total N)	0.10%Max
Cadmium (as Cd)	10 ppm Max
Chromium (as Cr)	10 ppm Max
Lead (as Pb)	10 ppm Max
Arsenic (as As)	10 ppm Max
Mercury (as Hg)	10 ppm Max
Antimony (as Sb)	10 ppm Max
Selenium (as Se)	10 ppm Max
Bulk Density @ 22oC 72oF	75-85 lbs/cft
Particle Size	
RETENTION	20% Max on US Standard No. 40
PASSES	7% Max Through US Standard No. 200 (Intl No.: 75)
Appearance	Dark Purple fine crystal(Powder)
Meets Specifications	UNE-EN-12672:2016

NSF: Product is Certified to NSF/ ANSI 60 standards.



SATYA NARAYAN PATRA
PREPARED BY



SRITAM KUMAR MISHRA
APPROVED BY