



DATE: 01.06.2020

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	FFG EXPORT
MARKET REQUIREMENT	
Typical Properties	Specifications
Assay	
Purity(KMnO ₄)	97.00% Min
Insoluble	2.01% 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	90-100 lbs/cft
Water Tolerance (≤ 0.7 ml water) /Pour test	Passes
Particle Size	
RETENTION	20% Max on US Standard No. 40
PASSES	7% Max Through US Standard No. 200 (Intl No.: 75)
Appearance	Dark Purple Free Flowing fine crystal(Powder)
Meets Specifications	AWWA B 603-16

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

