



ORGANIC INDUSTRIES PVT. LTD, DAHEJ

PLOT NO.S/163, GIDC, DAHEJ, TAL.VAGRA, DIST.BHARUCH, GUJARAT - 392130

PRODUCT DATA SHEET FOR POTASSIUM PERMANGANATE

TECHNICAL DATA

PRODUCT NAME	POTASSIUM PERMANGANATE
CHEMICAL NAME	PERMANGANIC ACID, POTSSIUM SALT
MOLECULAR FORMULA	KMnO4
MOLECULAR WEIGHT	158.04
PRODUCT CODE	C364
U.N.NO.	UN 1490
CLASS	5.1
HAZCHEM CODE	2Y
APPEARANCE	DARK PURPLE TO BRONZE CRYSTAL WITH NO ODOUR
BOILING POINT	DECOMPOSES @ 240oC
VAPOUR PRESSURE	PRACTICALLY ZERO
SPECIFIC GRAVITY	2.7 AT 15oC
FLASH POINT	ASSIST COMBUSTION
FLAMABILITY LIMITS	NO DATA
SOLUBILITY IN WATER	6.4g/100ml @ 20oC
PROPORTION	100%

	FFG EXPORT	FFG DOMESTIC	TECHNICAL GRADE	PURE GRADE		
				BOLD CRYSTAL	NORMAL CRYSTAL	CRYSTALLINE POWDER
Typical Properties	Specification	Specification	Specification	Specification	Specification	Specification
Assay						
Purity(KMnO4)	97.0% Min	94-95%	98.50% Min	99.0% Min	99.3% Min	99.0% Min
Insoluble	1.7% Max	5.0% Max	1.0 % Max	0.50%Max	0.50% Max	0.50%Max
Moisture (as H2O)	0.50% Max	0.50% Max	0.50% Max	0.30%Max	0.20%Max	0.30%Max
Chloride (as Cl)	0.10% Max	0.10% Max	0.10%Max	0.01% Max	0.01% Max	0.01% Max
Sulphate (as SO4)	0.20% Max	0.20% Max	0.20%Max	0.05%Max	0.05%Max	0.05%Max
Nitrogen (Total N)	0.10% Max	0.10% Max	0.10%Max	0.10%Max	0.10%Max	0.10%Max
Cadmium (as Cd)	100 ppm Max	100 ppm Max	50ppm Max	50ppm Max	50ppm Max	50ppm Max
Chromium(as Cr)	500 ppm Max	500 ppm Max	50 ppm Max	50ppm Max	50ppm Max	50ppm Max
Heavy Metal (as Pb)	50 ppm Max	50 ppm Max	50 ppm Max	50ppm Max	50ppm Max	50ppm Max
Arsenic (as As)	20 ppm Max	20 ppm Max	20ppm Max	20ppm Max	20ppm Max	20ppm Max
Mercury (as Hg)	10 ppm Max	10 ppm Max	10ppm Max	10ppm Max	10ppm Max	10ppm Max
Antimony (as Sb)	50 ppm Max	50 ppm Max	50 ppm Max	50 ppm Max	50 ppm Max	50 ppm Max
Selenium (as Se)	50 ppm Max	50 ppm Max	50 ppm Max	50 ppm Max	50 ppm Max	50 ppm Max
Bulk Density @ 22oC 72oF	90-100 lbs/cft	95-100 lbs/cft				
Water Tolerance (≤ 0.7 ml water) /Pour test	Passes	Passes				
Particle Size						
RETENTION	20% Max on US Standard No. 40		5% Max on US Standard No. 40	90% Min. Retention on US Standard No.8	80% Min. Retention on US Standard No.40	90% Min. Retention on US Standard No.100
PASSES	7% Max US Through Standard No. 200	25% Max US Through Standard No. 200	15% Max US Through Standard No. 200			
Appearance	Dark Purple Free Flowing Crystals	Dark Purple Free Flowing Crystals	Dark Purple Fine Crystals	Dark Purple Bold Crystals	Dark Purple Normal Crystals	Dark Purple Crystalline Powder
Meets Specification	AWWA603-03	AWWA603-03	EN-12672:2000	EN-12672:2000	EN-12672:2000	EN-12672:2000