

## POTASSIUM PERMANGANATE AR/ACS MEETS ANALYTICAL SPECIFICATION OF USP

<b>PRODUCT CODE</b>	<b>615025</b>	
<b>SYNONYMS</b>	--	
<b>C.I. NO.</b>	--	
<b>CASR NO.</b>	<b>(7722-64-7)</b>	
<b>ATOMIC OR MOLECULAR FORMULA</b>	<b>KMnO<sub>4</sub></b>	<b>KMnO<sub>4</sub></b>
<b>ATOMIC OR MOLECULAR WEIGHT</b>	<b>158.03</b>	
<b>PROPERTIES</b>	<b>Decomposes ~240°C with evolution of oxygen; Decomposes by alcohol and many other organic solvents, also by concentrated acids.</b>	

<b>PARAMETER</b>	<b>LIMIT</b>
Description	Dark purple or brownish black to almost black crystals with metallic lusture .
Solubility	5% solution in water is clear.
Identification	Passes test.
Assay (Iodometric)	99.5 – 100.5%

<b>MAXIMUM LIMIT OF IMPURITIES</b>	
Loss on drying (on silica gel)	0.5%
Insoluble matter	0.2%
Chloride (Cl)	0.005%
Nitrogen compounds (N)	0.005%
Sulphate (SO <sub>4</sub> )	0.01%
Iron (Fe)	0.002%
Lead (Pb)	0.002%

**Note(s) : Assay (if applicable) method mentioned.**

<p><b>DANGER</b>  <b>Hazard statements</b> :May cause respiratory irritation. May intensify fire; oxidizer. Harmful if swallowed. Causes mild skin irritation. Causes serious eye irritation. Very toxic to aquatic life with long lasting effects.  <b>Precautionary statements</b>  <b>Prevention</b>: Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take any precaution to avoid mixing with combustible or incompatible materials. Keep away from heat.  <b>Response</b> :If skin irritation occurs, seek medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. Wear eye/face protection. Specific treatment: refer to Label or MSDS.</p>	<p>IMDG Code :5.1/II  UN No. : 1490  IATA : 5.1</p>
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**Disposal**: The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums for collection by specialist disposal company. Add bromine / iodine / inorganic peroxide / oxidants to be disposed to large amount of water and then make harmless by addition of acidic sodium thiosulphate solution

**Hazard Pictogram(s) :**

