

# Chem-Impex International, Inc.

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**Manufacturing site:**

825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	37008
<b>Product</b>	<b>Manganese sulfate monohydrate, USP, EP,</b>
<b>Lot Number</b>	000514-25832002
	Manganese sulfate monohydrate, USP, EP, Powder, Low heavy Manganese (II) sulfate monohydrate
<b>CAS Number</b>	10034-96-5
<b>Molecular Formula</b>	MnSO <sub>4</sub> •H <sub>2</sub> O
<b>Molecular Weight</b>	169.01

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<b>Appearance</b>	Pale pink fine powder
<b>Solubility</b>	Passes test
<b>Heavy Metals</b>	1.29 ppm
<b>Anion</b>	Chloride : < 100 ppm
<b>Cation</b>	Iron : < 10 ppm Zinc : 3.58 ppm Lead : 0.07 ppm Cadmium : 0.01 ppm Arsenic : 0.10 ppm Mercury : < 0.1 ppm
<b>Yeast and Mold</b>	< 100 cfu/g
<b>Residual Solvents</b>	Passes test
<b>Coliform Organisms</b>	Negative
<b>Microbial Count</b>	< 1000 cfu/g (APC)
<b>Mesh Size</b>	Mesh on 60 & 100 : 0.0%
<b>Residue On Ignition</b>	10.9%
<b>Assay</b>	100.1% (EP) 100% (USP)
<b>Grade</b>	USP/EP
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Identification test for Manganese, Sulfate : Passes test Substance not precipitated by (NH <sub>4</sub> ) <sub>2</sub> S : 0.015%

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**Remarks**

See material safety data sheet for additional information

For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**