



# Celtic Chemicals Ltd

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## Product Specification

### Manganese Nitrate Solution

#### Product Description

Chemical Description : Manganese Nitrate Solution 62% as Mn(NO<sub>3</sub>)<sub>2</sub>

Grade :

Product Code : p1029

Issue : 1

Issue Date : 28-Feb-2008

#### Chemical Information

Molecular weight : 178.95 + aq

Molecular formula : Mn(NO<sub>3</sub>)<sub>2</sub> + aq

General Description : Pink liquid/crystal

#### Hazard Information

U.N. No. : 3218

Proper Shipping Name : Nitrates, Inorganic, Aqueous Solution, N. O. S.

EEC No. : 236-196-1

Hazard Class : 5.1

Packing Group : III

CAS No : 17141-63-8

Tariff No. : 2834 29 80

#### Specification

Assay as Mn(NO <sub>3</sub> ) <sub>2</sub> (Complexometric)	61.0 - 63.0 %
pH	1.8 - 2.2
S.G. @ 60oC	1.68 - 1.73
SO <sub>4</sub> Max	0.035
Cl Max	0.005
Heavy metals (as Pb) Max	5 ppm
Solubility	Passes Test
Appearance of solution	Light Orange Colour

Packaging : Packaging supplied meets with UN performance standards

