

# SYSTEM

## Certificate Of Analysis

PRODUCT NAME : Magnesium Sulphate *heptahydrate, ChemAR*  
{Bitter salt, Epsom salt}  
CATALOGUE NUMBER : MA570-00  
FORMULA :  $MgSO_4 \cdot 7H_2O$   
MOLECULAR WEIGHT : 246.47  
CAS. NUMBER : [10034-99-8]  
BATCH NO. : 160907150301  
EXPIRY DATE : Sept./2020

|                            | <u>Specification</u> | <u>Batch Value</u> |
|----------------------------|----------------------|--------------------|
| Assay(complexometric)      | min.99.5 %           | 99.86 %            |
| pH of 5% solution at 25°C  | 5.0-----8.0          | 5.97               |
| Insoluble matter           | max.0.005 %          | <0.002 %           |
| Chloride(Cl)               | max.0.0005 %         | <0.0005 %          |
| Nitrate(NO <sub>3</sub> )  | max.0.002 %          | <0.002 %           |
| Ammonium(NH <sub>4</sub> ) | max.0.002 %          | <0.002 %           |
| Arsenic(As)                | max.0.0002 %         | <0.0002 %          |
| Heavy metals(as Pb)        | max.0.0005 %         | <0.0005 %          |
| Calcium(Ca)                | max.0.02 %           | <0.002 %           |
| Potassium(K)               | max.0.005 %          | <0.00011 %         |
| Sodium(Na)                 | max.0.005 %          | <0.00062 %         |
| Iron(Fe)                   | max.0.0005 %         | <0.0001 %          |
| Manganese(Mn)              | max.0.0005 %         | <0.00041 %         |
| Strontium(Sr)              | max.0.005 %          | <0.005 %           |

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