

# Product Specification

## Magnesium Sulfate Heptahydrate, ACS Reagent Grade

Lot Number: SAMPLE

Product Number: RDCM0100

Date Packaged: N/A

Expiration Date: N/A

**Contains** $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$  CAS No. 10034-99-8 MW 246.47

Test	Specification	Result
Ammonium ( $\text{NH}_4$ )	max 0.002 %	N/A
Assay	98.0-102.0 %	N/A
Calcium (Ca)	max 0.02 %	N/A
Chloride (Cl)	max 5 ppm	N/A
Heavy Metals (as Pb)	max 5 ppm	N/A
Insoluble Matter	max 0.005 %	N/A
Iron (Fe)	max 5 ppm	N/A
Manganese (Mn)	max 5 ppm	N/A
Nitrate ( $\text{NO}_3$ )	max 0.002 %	N/A
pH of 5% Solution	5.0-8.2	N/A
Potassium (K)	max 0.005 %	N/A
Sodium (Na)	max 0.005 %	N/A
Strontium (Sr)	max 0.005 %	N/A

Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document traceability and production history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
RDCM0100-500B1	500 g poly	84 months

**Recommended Storage:** 15°C - 30°C (59°F - 86°F)

This Certificate of Analysis is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."