

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

| | |
|--------------------------|---------------------------------------|
| Product Name: | Magnesium chloride hexahydrate |
| Specifications & Purity: | Ultrapure BioReagent, ≥99.0% (KT) |
| SKU # | M434166 |

| Parameter | Limit Values |
|---|---|
| Appearance(M434166) | White Crystals or Crystals with Chunks(may agglomerate) |
| Assay(titration (KT) EDTA 0.1M) | 99-101 (%) |
| X-Ray Diffraction | Conforms to Structure |
| Aluminium(Al) | 0-5 (ppm) |
| Barium(Ba) | 0-5 (ppm) |
| Bismuth(Bi) | 0-5 (ppm) |
| Calcium(Ca) | 0-50 (ppm) |
| Cadmium(Cd) | 0-5 (ppm) |
| Cobalt (Co) | 0-5 (ppm) |
| Chromium(Cr) | 0-5 (ppm) |
| Copper(Cu) | 0-5 (ppm) |
| Iron(Fe) | 0-5 (ppm) |
| Potassium(K) | 0-2000 (ppm) |
| Lithium(Li) | 0-5 (ppm) |
| Manganese(Mn) | 0-5 (ppm) |
| Molybdenum(Mo) | 0-5 (ppm) |
| Sodium(Na) | 0-3000 (ppm) |
| Nickel(Ni) | 0-5 (ppm) |
| Lead(Pb) | 0-5 (ppm) |
| Strontium(Sr) | 0-5 (ppm) |
| Zinc(Zn) | 0-5 (ppm) |
| Arsenic(As) | 0-0.1 (ppm) |
| Total phosphorus as PO ₄ | 0-5 (ppm) |
| Total sulfur as SO ₄ (ICP) | 0-50 (ppm) |
| Total Nitrogen | 0-2 (ppm) |
| Solubility(method) 1M in H ₂ O,clear colorless | Pass |
| Ph(25°C,1 M in H ₂ O) | 5-7.5 |
| Residue(filter test,No residue) | Pass |
| UV Absorbance 260nm(at 1M in H ₂ O) | 0-0.03 |
| UV Absorbance 280nm(at 1M in H ₂ O) | 0-0.025 |