

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)

Email USA: [techserv@sial.com](mailto:techserv@sial.com)

Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:

Magnesium chloride hexahydrate – BioXtra, ≥99.0%

Product Number:

**M2670**
 $\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$ 

CAS Number:

7791-18-6

MDL:

MFCD00149781

Formula:

 $\text{Cl}_2\text{Mg} \cdot 6\text{H}_2\text{O}$ 

Formula Weight:

203.30 g/mol

### TEST

### Specification

Appearance (Color)

White

Appearance (Form)

Powder or Crystals

Solubility (Color)

Colorless

Solubility (Turbidity)

Clear

1 M in H<sub>2</sub>O

Aluminum (Al)

≤ 0.0005 %

Phosphorus (P)

≤ 0.0005 %

Lead (Pb)

≤ 0.001 %

Copper (Cu)

≤ 0.0005 %

Zinc (Zn)

≤ 0.0005 %

Iron (Fe)

≤ 0.0005 %

Calcium (Ca)

≤ 0.01 %

Sodium (Na)

≤ 0.005 %

Insoluble matter

≤ 0.005 %

Sulfate (SO<sub>4</sub>)

≤ 0.002 %

Barium (Ba)

≤ 0.005 %

Strontium (Sr)

≤ 0.005 %

Potassium (K)

≤ 0.005 %

Manganese (Mn)

≤ 0.0005 %

Ammonia (NH<sub>3</sub>)

≤ 0.002 %

Purity Titration by EDTA

≥ 99.0 %

Recommended Retest Period

-----

5 years

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:

Magnesium chloride hexahydrate – BioXtra, ≥99.0%

Product Number:

**M2670** $\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$ 

CAS Number:

7791-18-6

MDL:

MFCD00149781

Formula:

 $\text{Cl}_2\text{Mg} \cdot 6\text{H}_2\text{O}$ 

Formula Weight:

203.30 g/mol

### TEST

### Specification

Specification: PRD.1.ZQ5.10000006674

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.