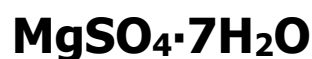


GENERAL QUALITY DATA SHEET

Magnesium Sulfate Heptahydrate [ChemPure] ChemElements™

CAS No.	10034-99-8
EC No.	231-298-2
Tariff No.	2833 21 00 00
Material number:	90461030*



Typical properties

Molecular weight:	246,48
Melting point:	Not applicable (at 150°C it loses 6 water molecules; at 200°C loses 7 water molecules; at 1127°C the anhydrous form decomposes)
Solubility in water:	710 g/l (20°C)
Specific gravity:	1,636-1,68 g/cm ³
Appearance:	White crystalline powder

Quality: GOST 4523-77 [ChemPure]

1. Assay (MgSO ₄ ·7H ₂ O):	≥99,5%
2. Water-insoluble matter:	≤0,002%
3. Acidity (H ₂ SO ₄):	≤0,002%
4. Alkalinity (MgO):	≤0,001%
5. Nitrates (NO ₃):	≤0,001%
6. Phosphates (PO ₄):	≤0,0005%
7. Chlorides(Cl):	≤0,0005%
8. Ammonium salts (NH ₄):	≤0,001%
9. Iron (Fe):	≤0,0002%
10. Calcium (Ca):	≤0,01%
11. Manganese (Mn):	≤0,0005%
12. Arsenic (As):	≤0,00004%
13. Heavy metals (Pb):	≤0,0001%
14. Zinc (Zn):	≤0,001%

GENERAL QUALITY DATA SHEET

Standard packing

- *25 kg three-layer paper brown craft bag with polyethylene inliner (50 µm);
- *25 kg polypropylene bag (60 g/m²) with polyethylene inliner (50 µm).

Available on request

*Other customer-specific packing, quality parameters

Shelf life

1 year

Storage recommendation

Store in covered, dry warehouses in the original tightly closed packaging.

Application

- Metallurgy: production of refractories;
- Analytical chemistry: reagent;
- Filler in the pulp and paper industry;
- Manufacture of detergents and soaps;
- Agent for etching fabrics;
- Chemical synthesis.

Certification

FSSC 22000:2013, ISO 9001:2015,
Kosher, Halal MUI

Hazards Identification

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Transport Information

UN number:	Not dangerous goods
UN proper shipping name:	Not dangerous goods
Transport hazard class(es)	
Land transport (ADR/RID):	Not classified as dangerous in the meaning of transport regulations
Air transport (IATA):	Not classified as dangerous in the meaning of transport regulations
Sea transport (IMDG):	Not classified as dangerous in the meaning of transport regulations
Packaging group:	Not dangerous goods



ChemElements – the alternative producer of high purity mineral salts located in Europe. Raw materials for food, pharmaceutical, feed, agriculture, and technical applications



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<http://www.chemelements.life>

GENERAL QUALITY DATA SHEET

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This data sheet is for information purposes only and is based on observations of our standard product. It does not release the user from any obligation to test the material and determine suitability for each application.