

## Specification Sheet

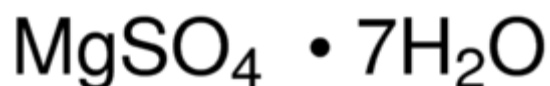
63138 Sigma-Aldrich

## Magnesium sulfate heptahydrate

BioUltra, ≥99.5% (KT)

Synonym: Epsom salts

- CAS Number [10034-99-8](#)
- Linear Formula  $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$
- Molecular Weight 246.47
- EC Number [231-298-2](#)
- MDL number [MFCD00149785](#)
- eCI@ss 38030409
- PubChem Substance ID [57651928](#)
- NACRES NA.26



SKU-Pack Size	Availability	Pack Size	Price (SGD)	Quantity
63138-250G	Available to ship on 15.04.2021 - FROM	250 g		<input type="text" value="0"/>
63138-1KG	Estimated to ship on 28.04.2021 - FROM	1 kg		<input type="text" value="0"/>

## Properties

Related Categories [Molecular Biology](#), [Optimization Reagents](#), [Protein Structural Analysis](#), [Proteomics](#), [X-Ray Crystallography](#) **More...**

vapor density <0.01 (vs air)

vapor pressure <0.1 mmHg ( 20 °C)

product line BioUltra

assay ≥99.5% (KT)



impurities	insoluble matter, passes filter test
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	≤0.002% total nitrogen (N)
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pH	5.0-8.0 (25 °C, 1 M in H <sub>2</sub> O)
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solubility	H <sub>2</sub> O: 1 M at 20 °C, clear, colorless
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anion traces	chloride (Cl <sup>-</sup> ): ≤5 mg/kg
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cation traces	Al: ≤5 mg/kg
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	As: ≤0.1 mg/kg
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	Ba: ≤5 mg/kg
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	Bi: ≤5 mg/kg
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	Ca: ≤10 mg/kg
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	Cd: ≤5 mg/kg
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	Co: ≤5 mg/kg
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	Cr: ≤5 mg/kg
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	Cu: ≤5 mg/kg
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	Fe: ≤1 mg/kg
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	K: ≤10 mg/kg
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	Li: ≤5 mg/kg
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	Mn: ≤5 mg/kg
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	Mo: ≤5 mg/kg
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	Na: ≤10 mg/kg
	Ni: ≤5 mg/kg
	Pb: ≤5 mg/kg
	Sr: ≤5 mg/kg
	Zn: ≤5 mg/kg
λ	1 M in H <sub>2</sub> O
UV absorption	λ: 260 nm A <sub>max</sub> : 0.010
	λ: 280 nm A <sub>max</sub> : 0.010
storage temp.	room temp
SMILES string	<chem>O.O.O.O.O.O.O.[Mg++].[O-]S([O-])(=O)=O</chem>
InChI	1S/Mg.H2O4S.7H2O/c;1-5(2,3)4,,,,,,,/h;(H2,1,2,3,4);7*1H2/q+2,,,,,,,/p-2
InChI key	WRUGWIBCXHJTDG-UHFFFAOYSA-L

