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## Magnesium sulphate heptahydrate, For Molecular Biology

**MB171**

### Product Identifier

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CAS No.	:	10034-99-8
EC No.	:	231-298-2
Molecular Formula	:	MgSO <sub>4</sub> .7H <sub>2</sub> O
Molecular Weight	:	246.47
HS Code	:	2833 21 00
Storage	:	Below 30°C
Shelf life	:	4 years

### Technical Specification

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Appearance	:	White crystals or powder or solid
Solubility	:	100 mg soluble in 1 mL of water
DNases	:	None detected
RNases	:	None detected
pH (5% in water at 25°C)	:	5.00 - 8.20
Water insoluble matter	:	<= 0.005%
Calcium (Ca)	:	<= 0.02%
Heavy metals (as Pb)	:	<= 0.0005%
Iron (Fe)	:	<= 0.0005%
Manganese (Mn)	:	<= 0.0005%
Sodium (Na)	:	<= 0.005%
Strontium (Sr)	:	<= 0.005%
Potassium (K)	:	<= 0.005%
Chloride (Cl)	:	<= 0.0005%
Nitrate (NO <sub>3</sub> )	:	<= 0.002%
Ammonium (NH <sub>4</sub> )	:	<= 0.002%
Assay (EDTA Titration)	:	99.50 - 102.00%

### Safety Information

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UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	OM4508000
WGK	:	1