
Magnesium nitrate hexahydrate, Hi-AR[®]/ACS

GRM3923

Product Identifier

CAS No.	:	13446-18-9
EC No.	:	233-826-7
Molecular Formula	:	Mg(NO ₃) ₂ ·6H ₂ O
Molecular Weight	:	256.41
HS Code	:	2834 29 20
Storage	:	Below 30°C
Shelf life	:	4 years

Technical Specification

Appearance	:	White deliquescent crystals or powder or solid
Solubility	:	1000 mg soluble in 1 mL of water
pH (5% in water at 25°C)	:	5.00 - 8.20
Chloride (Cl)	:	<= 0.001%
Ammonium (NH ₄)	:	<= 0.003%
Calcium (Ca)	:	<= 0.01%
Heavy metals (as Pb)	:	<= 0.0005%
Iron (Fe)	:	<= 0.0005%
Insoluble matter	:	<= 0.005%
Strontium (Sr)	:	<= 0.005%
Sodium (Na)	:	<= 0.005%
Potassium (K)	:	<= 0.005%
Barium (Ba)	:	<= 0.005%
Phosphate (PO ₄)	:	<= 0.0005
Manganese (Mn)	:	<= 0.0005
Sulfate (SO ₄)	:	<= 0.005%
Assay (EDTA Titration)	:	98.00 - 102.00%

Safety Information

UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	OM3756000
WGK	:	1