

Specification Sheet

Product Name: **Magnesium chloride hexahydrate**
 Specifications & Purity: for Molecular Biology, ≥99.0%(T)
 SKU #: **M116336**

Parameter	Limit Values
Zinc(Zn)	0-5 (ppm)
Iron(Fe)	0-5 (ppm)
Nickel(Ni)	0-5 (ppm)
Bismuth(Bi)	0-5 (ppm)
pH	5-7.5
Molybdenum(Mo)	0-5 (ppm)
Strontium(Sr)	0-5 (ppm)
Sulfate(SO42-)	0-50 (ppm)
Copper(Cu)	0-5 (ppm)
(As)Arsenic	0-0.1 (ppm)
Phosphate(PO4)	0-5 (ppm)
Lithium(Li)	0-5 (ppm)
Barium(Ba)	0-5 (ppm)
Water by Karl Fischer	51.5-53.5 (%)
Aluminum(Al)	0-5 (ppm)
(Pb)Lead	0-5 (ppm)
Manganese(Mn)	0-5 (ppm)
Cobalt (Co)	0-5 (ppm)
UV Absorbance 260nm	0-0.03
Potassium(K)	0-2000 (ppm)
UV Absorbance 280nm	0-0.025
Sodium(Na)	0-3000 (ppm)
Cadmium(Cd)	0-5 (ppm)
Total Nitrogen	0-0.0002 (%)
Chrome(Cr)	0-5 (ppm)
Calcium(Ca)	0-50 (ppm)
DNases	none detected
Insoluble matter	pass
phosphatases	none detected
proteases	none detected
RNases	none detected
Solubility in H2O , soluble , 1M , 20°C, clear, colorless	pass



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Parameter

X-Ray Diffraction

λ , 1 M in H₂O

Purity(Titration by AgNO₃)

Limit Values

Conforms to Structure

Pass

98.5-101.5 (%)