

Type in Product Names, Product Numbers, or CAS Numbers to see suggestions.



# Specification Sheet

Product Name	Magnesium sulfate heptahydrate BioUltra, ≥99.5% (KT)
Product Number	63138
Product Brand	SIGMA
CAS Number	10034-99-8
Molecular Weight	246.47

## TEST

## SPECIFICATION

APPEARANCE (COLOR)	Colorless or White
APPEARANCE (FORM)	Powder or Crystals
TITRATION (KT) EDTA 0.1M	99.5 - 101.0 %
METAL TRACE ANALYSIS (ICP)	CORRESPONDS TO REQUIREMENTS
ALUMINIUM (ICP)	≤ 5 mg/kg
BARIUM (ICP)	≤ 5 mg/kg
BISMUTH (ICP)	≤ 5 mg/kg
CALCIUM (ICP)	≤ 10 mg/kg
CADMIUM (ICP)	≤ 5 mg/kg

TEST	SPECIFICATION
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COBALT (ICP)	≤ 5 mg/kg
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CHROMIUM (ICP)	≤ 5 mg/kg
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COPPER (ICP)	≤ 5 mg/kg
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IRON (ICP)	≤ 1 mg/kg
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POTASSIUM (ICP)	≤ 10 mg/kg
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LITHIUM (ICP)	≤ 5 mg/kg
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MANGANESE (ICP)	≤ 5 mg/kg
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MOLYBDENUM (ICP)	≤ 5 mg/kg
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SODIUM (ICP)	≤ 10 mg/kg
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NICKEL (ICP)	≤ 5 mg/kg
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LEAD (ICP)	≤ 5 mg/kg
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STRONTIUM (ICP)	≤ 5 mg/kg
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ZINC (ICP)	≤ 5 mg/kg
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ARSENIC TRACES (MHS-AAS)	≤ 0.1 mg/kg
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CHLORIDE (CL)	≤ 5 mg/kg
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TOTAL NITROGEN	≤ 20 mg/kg
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SOLUBILITY (METHOD)	1M in Water
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APPEARANCE (SOLUTION)	CLEAR COLORLESS
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PH (SOLUTION)	5.0 - 8.0
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TEST	SPECIFICATION
RESIDUE (FILTER TEST)	NO RESIDUE
UV - ABS. AT 260 NM	≤ 0.010
UV - ABS. AT 280 NM	≤ 0.010
RECOMMENDED RETEST PERIOD	72 MONTHS