

Certificate of Analysis

Date of Testing:	2024-05-20 15:40:36
Date of Next Testing:	2027-05-20 15:40:36
Product Name:	Taurine
CAS Number:	107-35-7
Specifications & Purity:	Ultrapure BioReagent, ≥99.5% (T)
Lot #:	E2413524
SKU #	T431354
Version	2
Analysis #:	354853

Parameter	Limit Values	Result
Purity(Titration by 0.1M NaOH)	99.5-101.5 (%)	100.10 %
Loss on drying	0-0.2 (%)	0.00 %
Residue on Ignition	0-0.05 (%)	0.01000 %
Aluminium(Al)	0-5 (ppm)	0.10000 ppm
Barium(Ba)	0-5 (ppm)	0.10 ppm
Bismuth(Bi)	0-5 (ppm)	0.10 ppm
Calcium(Ca)	0-10 (ppm)	1.08 ppm
Cadmium(Cd)	0-5 (ppm)	0.10 ppm
Cobalt(Co)	0-5 (ppm)	0.10 ppm
Chromium(Cr)	0-5 (ppm)	0.10 ppm
Copper(Cu)	0-5 (ppm)	0.10 ppm
Iron(Fe)	0-5 (ppm)	0.10 ppm
Potassium(K)	0-50 (ppm)	2.36 ppm
Lithium(Li)	0-5 (ppm)	0.10 ppm
Magnesium(Mg)	0-5 (ppm)	0.10 ppm
Manganese(Mn)	0-5 (ppm)	0.10 ppm
Molybdenum(Mo)	0-5 (ppm)	0.10 ppm
Sodium(Na)	0-200 (ppm)	1.05 ppm
Nickel(Ni)	0-5 (ppm)	0.10 ppm
Lead(Pb)	0-5 (ppm)	0.10 ppm
Strontium(Sr)	0-5 (ppm)	0.10 ppm
Zinc(Zn)	0-5 (ppm)	0.10 ppm
Arsenic traces(MHS-AAS)	0-0.1 (ppm)	0.03 ppm
Chloride (Cl-)	0-50 (ppm)	2.36 ppm
Sulfate(SO42-)	0-500 (ppm)	11.36 ppm
PH (0.5M in H2O)	4.5-6.0	5.10000

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Parameter	Limit Values	Result
UV - ABS. AT 260 NM(0.5M in H2O)	0-0.006	0.00020
UV - ABS. AT 280 NM(0.5M in H2O)	0-0.005	0.00100
Appearance(T431354)	Colorless Powder or Crystals	Colorless Powder or Crystals
NMR Spectrum 1H	Conforms to structure	Conforms to Structure
Solubility in H2O , Colorless,Clear,0.5mg/ml	pass	Pass
Residue (filter test)	no residue	no residue

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager