

Certificate of Analysis

Date of Testing: 2024-08-28 09:54:47
Date of Next Testing: 2028-08-27 09:54:47
Product Name: **Tricine**
CAS Number: 5704-04-1
Specifications & Purity: for cell culture, ≥99.5%(T)
Lot #: H2421054
SKU #: **T118067**
Version: **1**
Analysis #: **394179**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.2 (%)	0.17 %
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Endonuclease Detection	0-0.1 (EU/g)	0.09 EU/g
Purity (Titration by NaOH)	99.5-100 (%)	99.87 %
standard plate count	0-100 (cfu/g)	86.00 cfu/g
Appearance (T118067)	White Powder or Crystals	White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O, Colorless, Clear, 2.5 g/10 mL	pass	Pass
UV Absorbance(at 290nm, 20%w/w)	≤0.02	≤0.02
Cell Culture Test	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
RNASE, DNASE, NICKASE AND PROTEASE	none detected	none detected



John Su
QA & QC Manager