

Certificate of Analysis

Date of Testing:	2023-10-20 13:32:31
Date of Next Testing:	2027-10-19 13:32:31
Product Name:	L-Methionine
CAS Number:	63-68-3
Specifications & Purity:	from non-animal source, meets EP, JP, USP, for cell culture, 99.0-101.0%
Lot #:	J2317037
SKU #	M101131
Version	0
Analysis #:	053187
Storage Temperature:	Protected from light

Parameter	Limit Values	Result
Chloride	0-0.02 (%)	0.01 %
Assay	99-101 (%)	99.91 %
Sulfate(SO42-)	0-0.02 (%)	0.01 %
(As)Arsenic	0-2 (ppm)	0.00 ppm
Endotoxin Assay	0-1 (EU/mg)	0.00 EU/mg
Loss on drying	0-0.2 (%)	0.00 %
Heavy metal (as Pb)	0-10 (ppm)	3.00 ppm
Ammonia (NH4)	0-0.02 (%)	0.01 %
Appearance (M101131)	white powder	White powder
Cell Culture Test	pass	Pass
Cell Line test	Attached Cell Line	Attached Cell Line
Expected Solvent Residual Solvent	Meets Requirements	Meets Requirements
Identity by IR	Conforms to Structure	Conforms to Structure
Origin	non-animal source	non-animal source
Residual Solvents USP <467>	meets the requirements	meets the requirements
Solubility,Clear , 2.5g to 100 mL H2O	pass	Pass



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

John Su
QA & QC Manager