



CERTIFICATE OF ANALYSIS

Product Name:	L-5-Methyltetrahydrofolate (L-5-MTHF)
CAS No.:	31690-09-2
Batch Number:	079-23091912
Manufacture Date:	Sep. 19, 2024
Expiry:	3 years from MFG date

Physical & Chemical Characteristics

Analysis Item	Specification	Result
Appearance	White and yellow Powder	Conforms
Specific Rotation	+35.0 ~ +42.00 (C=1.5% in water, 20°C)	+40.20
Residual Solvent (Ethanol)	NMT 0.5%	0.11%
Sulfate	0.015%	Conforms
Chloride	0.05%	Conforms
Water (K-F)	≤3.0%	2.9%
Residue on ignition	≤0.2%	0.05%

Heavy Metals

Analysis Item	Specification	Result
Heavy metals (Pb)	≤10 ppm	Conforms
Arsenic (As ₂ O ₃)	≤2 ppm	Conforms
Lead	≤2 ppm	Conforms
Mercury	≤0.1 ppm	Conforms

Microbiological Tests

Analysis Item	Specification	Result
Total Plate Count	≤1000 CFU/g	Conforms
Mold & Yeasts	≤100 CFU/g	Conforms
Salmonella	Negative	Conforms
E. coli	Negative	Conforms

Assay

Analysis Item	Specification	Result
Assay	95.0% ~ 103.0%	99.2%