

## Certificate of Analysis

Date of Testing: 2022-10-11 14:44:12  
Date of Next Testing: 2024-10-10 14:44:12  
Product Name: **S-(5'-Adenosyl)-L-homocysteine**  
CAS Number: 979-92-0  
Specifications & Purity:  $\geq 98\%$   
Lot #: 12227771  
SKU #: **S139501**  
**Analysis: 142506**  
Storage Temperature: Protected from light, Store at  $-20^{\circ}\text{C}$

Parameter	Limit Values	Result
Carbon by Elemental Analysis(anhydrous)	43.24-44.24 (%)	43.64 %
Water by Karl Fischer	0-5 (%)	3.18 %
Purity(HPLC)	98-100 (%)	98.79700 %
Nitrogen by Elemental Analysis (anhydrous)	21.36-22.36 (%)	21.77 %
EmM(257 - 261 nm,H <sub>2</sub> O)	13.8-15.8	14.86
Appearance (S139501)	White to white with yellow cast powder	White to white with yellow cast powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1 N HCl , Colorless to Faint Yellow, Clear to Hazy, 20 mg/ml	pass	Pass



John Su  
QA & QC Manager