

Certificate of Analysis

Product Name	Choline dihydrogencitrate salt	Batch No.	M24M05123
CAS No.	77-91-8	MFG. Date	May 12, 2024
CAT No.	R033933	Retest Date	May, 2026
Items	Specification	Results	
Appearance	White crystalline powder	Conforms	
Assay (dry base)	≥98%	99.1%	
Water(W/W)	≤0.50%	0.20%	
Ignition residue	≤0.10%	0.03%	
pH(10%)aqueous solution	3.5-4.5	3.89	
Heavy metals (base on lead)	≤10 mg/Kg	<10 mg/Kg	
As	≤0.2 mg/Kg	≤2 mg/Kg	
Total bacteria count	≤1000 CFU/g	<1000 CFU/g	
Coliform	≤10 CFU/g	<10 CFU/g	
Particle size(pass 20mesh)	≥95%	99%	
Conclusion	Corresponds.		
Storage Condition	Keep container tightly closed in a dry and well-ventilated place		

QC:

Alex Foster

QA:

Felix Hobart