



CERTIFICATE OF ANALYSIS

Product Name: Choline Bitrate		Manufacture Date: 2023.08.21
Batch No: QH2023082118		Analysis Date: 2023.08.25
Batch Quantity: 800kg		Expiration Date: 2025.08.20
Items	Specifications	Results
Appearance	White Crystal Powder	Conform
Assay	$\geq 98\%$	99.5%
Moisture	≤ 0.5	0.19
Loss on drying	$\leq 5.0\%$	4.21%
Ash	$\leq 0.1\%$	0.02%
Refractive Index	+17.5-+18.5	+17.85
PH	3-4	3.4
Heavy Metal	≤ 10.0 ppm	<10.0ppm
As	≤ 2.0 ppm	<2.0 ppm
Pb	≤ 3.0 ppm	<3.0 ppm
Hg	≤ 0.1 ppm	<0.1 ppm
Microbiology		
Total Plate Count	≤ 1000 cfu/g	<1000cfu/g
Yeast & Moulds	≤ 100 cfu/g	<100cfu/g
E.Coli.	Negative	Negative
Salmonella	Negative	Negative
Conclusion	Complies with the Standard.	
Storage condition	Store in cool & dry place, Do not freeze. Keep away from strong light and heat.	
Shelf life	2 years when properly stored	