

# Certificate of Analysis

**Batch No:** BN12000003813

**Manufacturing / Packaging Date:** 14-Jun-2023

**Exp. Date:** 13-Jun-2026

**Product:** 03451-XX-KG0025 Magnesium Bisglycinate  
Chelate Buffered

## Analytical Results

Test Description	Specification				Batch Analysis Result
	Method	Units	Min	Max	
QCL-Mg(%.)-ICP1	Magnesium - QC WI (Q 100)	%_	18		20
QCL-As(ppm)-ICPMS	Arsenic - QC WI (Q 54)	ppm_		1.50	0.08
QCL-Cd(ppm)-ICPMS	Cadmium - QC WI (Q 54)	ppm_		0.50	<0.05
QCL-Hg(ppm)-ICPMS	Mercury - QC WI (Q 54)	ppm_		0.10	<0.05
QCL-Pb(ppm)-ICPMS	Lead - QC WI (Q 54)	ppm_		1.50	<0.05
QCL-N(%)-LECO	Nitrogen - QC WI (Q 93)	%_	8.5	10.5	10.0
QCL-FTIR(Pass)-FTIR	FTIR - QC WI (Q 36)				Pass
QCL-Color-Visual	Color - QC WI (Q 26)				Pass
QCL-TapDen(g/cc)	Tap Density - QC WI (Q 25)	g/cc	0.70		0.84
QCL-pH-pH	pH - QC WI (Q 24)	pH_I	10.0	11.0	10.4
QCL-Moisture-LOD (%)	Loss on drying - QC WI (Q 23)	%_		7.0	3.7
QCL-TAM-Micros	Total Aerobic Microbial Count - USP <2021>	cfu/g		1,000	<100
QCL - Mold Yeast	Molds and Yeasts Count - USP <2021>	cfu/g		100	<10
QCL-Bacillus cereus	B. cereus - QC WI (Q 170) - Absence per 10 g				Pass
QCL-Enterobacterial	Enterobacterial Count - USP <2021>	cfu/g		100	<100
QCL-E.coli-Micros	E. coli - USP <2022> - Absence per 10 g				Pass
QCL-Salmonella	Salmonella - USP <2022> - Absence per 10 g				Pass
QCL-Staph aureus	S. aureus - USP <2022> - Absence per 10 g				Pass