

# Certificate of Analysis



Company	Alkaline for Life
Product	
Product Name	<b>Essential Choline</b>
Bulk Prod #	
Lot #	2300124
Manuf. Date	Sep-23
Best if Used By	Sep-25

## Physical specifications (Composition/ID)

Test Description	Specification	Result	Method
Appearance	Cloudy Mobile Liquid/Translucent	Conforms	COQCL-000001/Organoleptic
Identification - FITR	>=0.9000	0.9991	COQCL-000002/FTIR
Odor	Characteristic, Citrus like	Conforms	COQCL-000001/Organoleptic
pH	4.00 - 6.00	4.02	COQCL-000007/pH
Specific Gravity	1.150 - 1.270	1.1917	COQCL-000009/SG

## Heavy Metal Specifications (Contamination)

Test Description	Specification	Result	Method
Arsenic	ppb	none detected	LOQ
Cadmium	ppb	none detected	LOQ
Lead	ppb	none detected	LOQ
Mercury	ppb	none detected	LOQ

## Packaging Microbiological Specifications (Contamination)

Test Description	Specification	Result	Method
Combined Yeast/Mold	<=1,000 cfu/g	<1,000 cfu/g	COQCL-000501/BioLumix
<i>Escherichia coli</i>	Absent in 10 g	Conforms	COQCL-000501/BioLumix
<i>Salmonella</i>	Absent in 10 g	Conforms	COQCL-000501/BioLumix
<i>Staphylococcus aureus</i>	Absent in 10 g	Conforms	COQCL-000501/BioLumix
TAC	<=10,000 cfu/g	<1,000 cfu/g	COQCL-000501/BioLumix

## Component Specifications by Input (Composition/Purity)

Active Ingredients	Each Teaspoon	Result	Method
Choline (as choline citrate)	650 mg	Complies	COQCL-000078/Titration
Glycerin (as vegetable)	1300 mg	Complies	

This product has been manufactured in accordance with the master formulation number listed above and in full compliance with cGMP requirements or their equivalent. The batch processing, packaging and analysis records were reviewed and found to be in compliance with cGMP.