

Gojira Fine Chemicals, LLC

Quality Products & Services Meeting Customer Needs 5386 Majestic Parkway, Suite 7, Bedford Heights, OH 44146 www.gojirafc.com • sales@gojirafc.com

Specification

Choline Chloride USP/FCC

Catalog Number: CAS Number: Molecular Formula: Molecular Weight: Storage: Retest Period: CC1002 67-48-1 C₅H₁₄CINO 139.62 15°C – 30°C Two years from the date of manufacture

Test	Specification
Appearance	White crystalline solid
Purity	≥ 99.0%
Identification*	Passes USP ID-B
Infrared Spectrum*	Passes USP Test
Chromatographic Purity*	Passes USP Test
Moisture	≤ 0.5%
pH (10%)	4.0 - 7.0
Residual Solvent*	Passes USP Test
Residue on Ignition	≤ 0.05%
1,4-Dioxane*	≤ 10mg/kg
Total Amines	≤ 10mg/kg
Aluminum	TBD
Antimony	TBD
Arsenic*	≤ 0.5ppm
Cadmium*	≤ 0.05ppm
Lead*	≤ 0.1ppm
Mercury*	≤ 0.02ppm
Total Aerobic Count**	≤ 100cfu/g
Yeast & Mold**	≤ 30cfu/g
Total Coliform**	Negative/10g
E. coli**	Negative/10g
Salmonella**	Negative/25g
S. Aureus**	Negative/10g
Sulfite Reducing Clostridia**	Negative/1g
Listeria Monocytogenes**	Negative/25g
<i>B. cereus</i> spores**	Negative/10g
Cronobacter sp.**	Negative/10g
Enterobacteriaceae**	Negative/10g
* The manufacturer regularly analyzes selected lots.	
** Microbiological testing is performed quarterly.	



Gojira Fine Chemicals, LLC

Quality Products & Services Meeting Customer Needs 5386 Majestic Parkway, Suite 7, Bedford Heights, OH 44146 www.gojirafc.com • sales@gojirafc.com

Approved:

hn grubb

John Grubb, PhD Gojira Fine Chemicals Quality Manager Tel: 440-600-4666, Fax: 888-211-5523 docsupport@gojirafc.com Date: August 26, 2016