

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **Choline chloride**
 Specifications & Purity: PharmPure™, USP, Internal toxicity ≤ 10EU/g, microbial limit ≤ 100cfu/g
 SKU # **GMP1508290**

Parameter	Limit Values
Appearance(GMP1508290)	White Crystalline Powder
Identity(IR)	Passes test
Identity(Chemical Identification Test)	Pass
Identity	pass
1,4-Dioxane	0-10 (ppm)
Residue on Ignition	0-0.05 (%)
Water by Karl Fischer	0-0.5 (%)
pH(1 in 10)	4.0-7.0
Arsenic(As)	0-2 (ppm)
Lead(Pb)	0-0.3 (ppm)
Heavy metals(as Pb)	0-10 (ppm)
Total Amine	0-10 (ppm)
Cadmium(Cd)	0-0.2 (ppm)
Mercury(Hg)	0-0.1 (ppm)
E.coli(Negative/10g)	confirmed
Salmonella(Negative/25g)	confirmed
Staphylococcus(Negative/10g)	confirmed
Total Plate Count	0-100(CFU/g)
Yeast and Mold	0-100 (CFU/g)
Endotoxin Assay	0-10 (EU/g)
Assay	99-100.5 (%)