

SUNNY CHEMGROUP CO., LIMITED

218 C 5/F JAFFE MANSION 218 JAFFE RD WAN CHAI HONGKONG

(TAX ID: 6248141400012176)

Certificate of analysis

PO.: 6773

INVOICE NO.:TTSFC612/24

SAMPLE NAME	DL-Choline Bitartrate	BATCH NO.	200240305
QUANTITY	500 KGS	DATE OF MANUFACTURE	Mar.06,2024
SPECIFICATION	Q/JYXY 0002(DL) -2019	RE-TEST.DATE:	Mar.05,2026
CAS	132215-92-0		

ITEM	SPECIFICATION	RESULT
Identification A,B&C	Positive reaction	Positive reaction
Appearance	White ,hygroscopic,crystalline powder	Conforms
Assay (calculated on the anhydrous basis)	NLT 98.0%	98.9%
pH(1 in 10)	3.0-4.0	3.51
Water	NMT 0.5%	0.27%
Residue on ignition	NMT 0.1%	0.02%
Heavy metals	NMT 10mg/kg	<10mg/kg
Lead(Pb)	NMT 2mg/kg	<2mg/kg
Arsenic (As)	NMT 1 mg/kg	<1mg/kg
Mercury (Hg)	NMT 0.1 mg/kg	<0.1mg/kg
Cadmium(Cd)	NMT 1 mg/kg	<1mg/kg
1,4-Dioxane	Passes test	Conforms
Microbial Total plate count Yeast and mold E.Coli Salmonella Staphylococcus aureus	 ≤1000CFU/g ≤100CFU/g Negative/25g Negative/25g Negative/25g	 <1000CFU/g <100CFU/g Negative Negative Negative
Particle size Through 20 Mesh	100%	100%

Meets the enterprise standard- Q/JYXY 0002(DL) -2019 .

Storage: Preserve in well-closed containers.

Packing: 25Kgs paper drum with double inner lining.

AC-004-100
306142
03/07/20

REF PT-25218-777 LOTE 319051

APROBADO