

SUNNY CHEMGROUP CO., LIMITED

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

(TAX ID: 6248141400012176)

Certificate of analysis

PO.: 6670

INVOICE NO.:TTSFC550/23

SAMPLE NAME	DL-Choline Bitartrate	BATCH NO.	200230906
QUANTITY	500 KGS	DATE OF MANUFACTURE	SEP.03,2023
SPECIFICATION	Q/JYXY 0002(DL) -2019	RE-TEST.DATE:	SEP.02,2025
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%	98.8%
pH(1 in 10)	3.0-4.0	3.59
Water	NMT 0.5%	0.31%
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	≤1000CFU/g	<1000CFU/g
E.Coli	≤100CFU/g	<100CFU/g
Salmonella	Negative/25g	Negative
Staphylococcus aureus	Negative/25g	Negative
	Negative/25g	Negative
Particle size	100%	100%
Through 20 Mesh		

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

Storage: Preserve in well-closed containers.

Packing: 25Kgs paper drum with double inner lining.

REF PT-25218-777 LOTE 317007

AC.004.100 308912 .

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APROBADO

13/12/2023