

# SUNNY CHEMGROUP CO., LIMITED

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

(TAX ID: 6248141400012176)

## Certificate of analysis

INVOICE NO.:TTSFC377/21

PO No.:6321

SAMPLE NAME	DL.-Choline Bitartrate	BATCH NO.	20020103
QUANTITY	1000 KGS	DATE OF MANUFACTURE	Jun.07,2023
SPECIFICATION	Q/JYXY 0002(DL) -2020	EXP.DATE:	Jun.06,2025
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%	99.3%
pH(1 in 10)	3.0-4.0	3.50
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	≤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) -2020.

Storage: Preserve in well-closed containers.

Packing: 25Kgs paper drum with double inner lining.