

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Choline Bitartrate		
<b>RefStandard</b>	Q/JYXY002-2021		
<b>Batch Number</b>	20230920	<b>Manufacture Date</b>	20230920
<b>Report Date</b>	20230920	<b>Expiry Date</b>	20250919

Item of Analysis	Specification	Results
Appearance	White hygroscopic crystalline powder	White hygroscopic crystalline powder
Assay,%	≥98.0	98.8
Loss on drying,w/%	≤0.50	0.34
PH(10% aqueous solution)	3.0-4.0	3.56
Residue on ignition,%	≤0.1	0.03
Heavy metal,mg/kg	≤10	<10
AS,mg/kg	≤0.5	<0.5
Total plate count,CFU/g	≤1000	<1000
Coliforms,MPN/g	≤3	<3
Particle Size	100% pass 20 mesh	Conform

**Storage:** Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

**Shelf Life:** 24 months if store under the conditions above and stay in original packaging.

