



## Certificate of Analysis

Product Name: Choline Chloride 70% Liquid

Batch No.: YFL70Y202207002

Packing: 500g/bottle

Quantity: 1000g

Production Date: 2022.07.03

Expiry Date: 2024.07.02

Test method: Reinecke salt gravimetric

| Specification               | Inspection Standard | Result    |
|-----------------------------|---------------------|-----------|
| Content/%                   | $\geq 70.0$         | 70.28     |
| pH                          | 6.0-8.0             | 6.50      |
| Ethylene Glycol/%           | $\leq 0.50$         | 0.14      |
| Total free amines/ammonia/% | $\leq 0.03$         | 0.0169    |
| Ignition residue            | $\leq 0.20$         | 0.02      |
| Heavy metal(as Pb)/(mg/kg)  | $\leq 0.002$        | $< 0.002$ |

Inspection Standard: GB34462-2017

Conclusion: Pass

Lab Technician: *Zuo Xuefei*

Date: 2022.07.04

