

### 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

