



ACROSS BIOTECH
MAKE A DIFFERENCE

Certificate of Analysis

Name:	Citicoline Sodium	CAS number:	33818-15-4
Quantity:	220KGs	Batch No.:	CSF25061402
MFG Date:	2025/6/14	EXP Date:	2027/06/13
Package:	25kg/drum	Standard:	In house

Test items	Specification	Result
Description	White crystal or crystalline powder	Conform
Identification	Positive	Conform
Clarity	Take 1.0g of this product, dissolve in water to 8ml, shake and observe whether the solution is clear	Clear
pH	6.0~7.5	6.9
Related substances	5'-CMP $\leq$ 0.3% Single impurity $\leq$ 0.2% Total impurities $\leq$ 0.7%	0.16% 0.10% 0.32%
Loss on drying	$\leq$ 6.0%	5.1%
Heavy metals	$\leq$ 5ppm	<5ppm
Arsenic salt	$\leq$ 0.0001%	<0.0001%
Phosphate salt	$\leq$ 0.1%	<0.1%
Iron salt	$\leq$ 0.01%	<0.01%
Ammonium salt	$\leq$ 0.05%	<0.05%
Residual solvents	Methanol $\leq$ 0.3% Ethanol $\leq$ 0.5% Acetone $\leq$ 0.5% Toluene $\leq$ 0.089%	<0.3% <0.5% <0.5% <0.089%
Endotoxin	$\leq$ 0.30 EU/mg	<0.30 EU/mg
Aerobic Plate Count	$\leq$ 1000CFU/g	Conform
Yeast & Mold	$\leq$ 100CFU/g	Conform
E. coli (MPN/g)	Negative	Undetected
Assay	98.0%-101.0%	99.8%

Inspector: Meng Cheng

Checker: Yun Li

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