



Certificate of Analysis

Product name	Citicoline	Manufacture date	Nov.10.2022
Batch number	FQ221110	Analysis date	Nov.11.2022
Batch quantity	200kg	Expiry date	Nov.10.2024

Analysis	Specification	Results
C14H26N4O11P2 Assay(on dried basis)	≥99.0%	99.15%
Appearance	White crystalline powder, odorless	Conforms
Solubility	Easily soluble in water,ubsoluble in ethanol	Conforms
Solution clarity and color	Solution should be clear and colorless	Conforms
Related substances	5'CMP 0.3% Simple impurity Total other impurity	0.01% 0.03% 0.10%
Chloride	0.05%	Conforms
Ammonium	0.05%	Conforms
Loss on drying	≤6.0%	Conforms
Heavy metals	10.0ppm	Conforms
Arsenide	0.1ppm	Conforms
Bacterial endotoxins	0.3 EU/mg	Conforms
Conclusion	The product conforms with standard	

Packing description:	Sealed export grade drum & double of sealed plastic bag
Storage:	Store in cool & dry place not freeze., keep away from strong light and heat
Shelf life:	2 years when properly stored



Quality Assurance Officer

Corrector

Analyst