



Certificate Of Analysis

Product Name: Citicoline
Non GMO **BSE/TSE Free** **Non Irradiation** **Allergen Free**

ITEMS	SPECIFICATION	RESULTS	METHODS
Assay Data			
Assay	≥98%	99.80%	HPLC
Quality Data			
Appearance	White crystalline powder	Conforms	Visual
Odour	Characteristic	Characteristic	Organoleptics
Identification	Chemical reaction	Positiv reaction	CP 2020
	The retention time of major peak meets the requirements	Complied	CP 2020
	IR:consistent with the spectrum obtained with reference	Complied	CP 2020
Free phosphoric acids	≤0.1%	Conforms	CP 2020
5'-CMP	≤1%	0.10%	CP 2020
Loss on Drying	≤5%	3.30%	CP 2020
PH	2.5-3.5	3.1	CP 2020
Clarity and color of solution	Should be clear and colorless	Complied	CP 2020
Heavy Metals	< 10ppm	Conforms	ICP-MS
Lead(Pb)	< 3ppm	Conforms	ICP-MS
Arsenic(As)	< 2ppm	Conforms	ICP-MS
Cadmium(Cd)	< 1 ppm	Conforms	ICP-MS
Mercury(Hg)	< 0.1 ppm	Conforms	ICP-MS
Microbiological Data			
Total Plate Count	< 1000 cfu/g	Conforms	CP 2020
Moulds and Yeast	< 100 cfu/g	Conforms	CP 2020
E.Coli	Negative	Conforms	CP 2020
Salmonella	Negative	Conforms	CP 2020
Staphylococcus aureus	Negative	Conforms	CP 2020
Addition Data			
Packing	25kg/drum		
Storage	Store in a cool dry place, avoiding sunlight directly		
Shelf Life	Two Years		

