

CERTIFICATE OF ANALYSIS



Product: Uridine Monophosphate (Disodium Salt)
250mg Capsules
IUPAC Name: [(2R,3S,4S,5R)-5-(2,4-dioxypyrimidin-1-yl)-3,4-dihydroxyoxolan-2-yl]methyl phosphate

Lot Number: UDMCS1022521UK Capsule per Bottle: 60ct
Capsule Batch Number: UDMCENZ1120VEG Capsule Size/Color/Material: Size 1, clear vegetable capsule
Other Ingredients: Silicon Dioxide

Raw Material Batch No: UDM0250120A Appearance: White, fine, free flowing powder
CAS: 3387-36-8 Odor: Faint rubber
Molecular Formula: C₉H₁₁N₂Na₂O₉P Molecular Weight: 368.15 g/mol



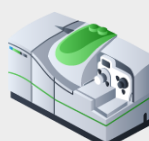
FTIR



HPLC



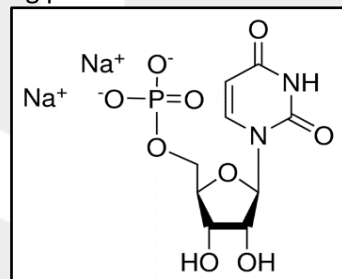
TITRATION



ICP-MS



WATER ACTIVITY



Analysis	Specification	Result	Methodology
Identity	Reference Standard	Conforms	FTIR
Assay	≥ 63% (Dry Basis)	76%	HPLC
Assay (Sodium)	10– 14% (Dry Basis)	10%	ICP/ICPMS
Water Content	< 25%	20%	Karl-Fischer Titration

Heavy Metals	Specification	Result	Methodology
Arsenic	< 0.5 ppm	<0.1250 ppm	ICP-MS
Cadmium	< 0.5 ppm	<0.0500 ppm	
Lead	< 0.5 ppm	<0.0125 ppm	
Mercury	< 0.5 ppm	0.0449 ppm	

Microbial Proliferation	Specification	Result	Methodology
All	< 0.73	0.22	Water Activity
Aerobic Plate Count	< 10,000 cfu/g	Conforms	FDA BAM
Yeast and Mold Count	< 1,000 cfu/g	Conforms	
Coliforms	< 100 cfu/g	Conforms	
E. coli	Absent / 10g	Conforms	
Staphylococcus	Absent / 10g	Conforms	
Salmonella spp.	Absent / 25g	Conforms	

