

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	00091
Product	Cytidine-5'-monophosphate, free acid
Lot Number	001150-01202207001
	5'-CMP
CAS Number	63-37-6
Molecular Formula	C ₉ H ₁₄ N ₃ O ₈ P
Molecular Weight	323.2

Appearance	White crystalline powder
Heavy Metals	< 10 ppm
Cation	Arsenic (As) : < 2 ppm Iron (Fe) : < 100 ppm
pH	2.8
UV Ratios	A250/A260 : 0.43 A280/A260 : 2.12
Transmission	96.8% (430 nm)
Loss on Drying	1% (120 °C, 4h)
Related Substances	Cytidine : 0.1% Total impurities : 0.4%
Assay	97.2% (HPLC)
Purity by HPLC	99.6% (HPLC)
Purity by UV	98.1%
Storage	Store at 0 - 8 °C
Remarks	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager