

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	00089
Product	Cytidine
Lot Number	001150-02202011003
	Cytosine- β -D-riboside
	Cytosine-1- β -D-ribofuranoside
CAS Number	65-46-3
Molecular Formula	C ₉ H ₁₃ N ₃ O ₅
Molecular Weight	243.22

Appearance	White crystalline powder
Melting Point	210.7 - 211.7 °C
Heavy Metals	< 10 ppm
Optical Rotation	[α] _D ²⁰ = 33.6 ° (C=0.7g in 100 mL water)
UV Ratios	A _{250/260} : 0.44 A _{280/260} : 2.07
Loss on Drying	0.2% (105 °C, 2h)
Residue On Ignition	0.05% (at 600 °C)
Purity by HPLC	99.5%
Purity by UV	99.3%
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