

Chem-Impex International, Inc.

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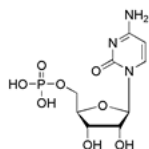
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

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

Appearance	White or almost white crystalline powder
Heavy Metals	≤ 10 ppm
Cation	Arsenic(As) : ≤ 2 ppm Iron(Fe) : ≤ 100 ppm
pH	2.0 - 3.5
UV Ratios	A250/A260 = 0.41 - 0.49 A280/A260 = 2.03 - 2.17
Transmission	Transmittance : ≥ 95%
Loss on Drying	≤ 3%
Related Substances	Cytidine : ≤ 0.3% Total impurities : ≤ 2%
Assay	≥ 97%
Purity by HPLC	≥ 98%
Purity by UV	≥ 98%
Storage	Store at 0 - 8 °C
Additional Information	Identification by UV :

For Laboratory Use Only