

Certificate of Analysis

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
Standard ISO9001:2015 by LRQA. Certificate Number. 10551915

Catalogue Number: J62238
LOT Number: 10253171
CAS Number: 36051-68-0
Description: Cytidine-5'-triphosphate disodium salt, 97%
Quality Test/Release Date: 2-Dec-2024
Retest Date: 2-Dec-2034
Country of Origin: China
Declaration of Origin: Synthetic
BSE/TSE:

Result Name	Units	Specification	Test Value
Assay (HPLC)	%	>96.0%	98.2
Assay (UV/vis)	%	>88.0% (dry wt. basis)	95.5
Comment		Protein: Should comply with the standard: Conforms (non-U.S. specification)	Conforms
Comment	%	Related substance: <10.0%	1.8
Appearance (Color)		White to pale cream	White
Form		Powder or crystalline powder	powder
Heavy Metals	ppm	<10ppm (non-U.S. specification)	<10
Loss on Drying	%	<10% (non-U.S. specification)	9.1
pH		3.0-5.0 (non-U.S. specification)	3.9
Solution Test	mg/ml	Clear colorless solution (50 mg/mL)	Clear colourless solution
Spectral Ratio		Max. absorption at 280nm \pm 2nm: A250/A260 = 0.40-0.55 (non-U.S. specification)	0.47
Spectral Ratio		Max. absorption at 280nm \pm 2nm: A280/A260 = 2.00-2.20 (non-U.S. specification)	2.11

Additional Information

Certified by:

Paul Coleman
Quality Control Team Leader

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.