

BIOSPECTRA

100 Majestic Way, Bangor, PA 18013 / www.biospectra.us

Effective Date:	04-Jun-2021	04-Jun-2024	: Date of Next Review
Prepared By:	Jared L Lobb	20-003671 v.2.0	: Supersedes
QA/QC Approval:	Carissa McCollian	Wendy Santay	: Management Approval
Reason for Revision:	See Revision History in ensur.		

CERTIFICATE OF ANALYSIS

URACIL

BIO PHARMA GRADE / NEW CODE URAC-4250-95

(HISTORICAL CODE UC4250-G010)

LOT: URAC-0121-00012

$C_4H_4N_2O_2$: ^ F.W. 112.09 g/mol. ^ CAS# 66-22-8

Manufacturing Date: 05/07/21 Expiration Date: 01/31/24

Manufacturing Site: 100 Majestic Way, Bangor PA, 18013

Packaging Date: 05/28/21 Packaging Site: 100 Majestic Way, Bangor PA, 18013

ANALYSIS	SPECIFICATION	TEST RESULT
Appearance and Color	White to Slightly Yellow Powder	White to Slightly Yellow Powder
Assay (dried basis)	≥ 98%	100%
Chlorides	≤ 100 ppm	≤ 100 ppm
Endotoxin content	≤ 3EU/g	< 2EU/g
Heavy Metals	≤ 20 ppm	≤ 20 ppm
Identification (IR)	Passes Test	Passes Test
Loss on Drying	≤ 0.50%	< 0.02%
Melting Point	≥ 300°C (Target 335°C)	≥ 300 °C
Reaction	Passes Test	Passes Test
Residue on Ignition	≤ 0.10%	< 0.02%
Solubility	Passes Test	Passes Test
Sulfates	≤ 400 ppm	≤ 400 ppm
TAMC	≤ 100 CFU/g	≤ 10 CFU/g

COUNTRY OF ORIGIN: U.S.A.

TEST METHOD REFERENCE: DCN: 16-001314

INTENDED USE: Material represented by this Certificate of Analysis is suitable for use as a process chemical. It is manufactured in accordance with the IPEC-PQG Joint Good Manufacturing Practice Guide. The material represented by this Certificate of Analysis is not suitable to be used as an Active Pharmaceutical Ingredient, Drug, Drug Product or Household Item.

Prepared by: Jared L Lobb Date: 06/04/21 Job Title: QA Document Specialist

Reviewed by: Carissa McCollian Date: 6/14/21 Job Title: QA Manager