

## URIDINE

BIOTECH, LBLE, GMP

CAS #: 58-96-8

Formula:  $C_9H_{12}N_2O_6$

F.W.: 244.20 g/mol

URID-4250

BIO PHARMA GRADE

ANALYSIS		SPECIFICATIONS
Ammonium		$\leq 1500$ ppm
Appearance and Color		White to almost white powder
Assay		98.0 – 102.0%
Bioburden	TAMC	$\leq 100$ CFU/g
	TYMC	$\leq 100$ CFU/g
Chloride		$\leq 500$ ppm
Endotoxin		$\leq 0.5$ EU/mg
Heavy Metals		$\leq 10$ ppm
Identification, IR		Conforms to Reference Standard
Insoluble Matter		$\leq 0.1\%$
Loss on Drying		$\leq 0.5\%$
Purity		$\geq 99.0\%$
Residue on Ignition		$\leq 0.1\%$
Solubility (Color)		Colorless
Solubility (Turbidity)		Clear
Total Phosphorus		$\leq 160$ ppm
Transparency		$\geq 98.0\%$
UV Assay		$\geq 98.0\%$
Trace Metals	Aluminum (Al)	$\leq 5$ ppm
	Calcium (Ca)	$\leq 100$ ppm
	Copper (Cu)	$\leq 5$ ppm
	Iron (Fe)	$\leq 30$ ppm
	Potassium (K)	$\leq 50$ ppm
	Magnesium (Mg)	$\leq 30$ ppm
	Sodium (Na)	$\leq 200$ ppm
	Lead (Pb)	$\leq 50$ ppm
Zinc (Zn)		$\leq 5$ ppm

Country of Origin: USA

### Intended for Use in Biopharmaceutical & Biotechnological Applications and Products

This is a high purity, GMP, Reagent grade product, purified under full cGMP conditions. Uridine is a glycosylated pyrimidine- analog containing uracil attached to a ribose ring via a  $\beta$ -N1-glycosidic bond. It is one of the five standard nucleosides which make up nucleic acid. Uridine is used as a nutrient and an intermediate in biopharmaceutical preparations with other biotechnology applications.

### General Product Description

- Appears as a white to almost-white powder
- Manufactured under an ICH-Q7 Quality Managed cGMP System
- Manufactured in an enzyme free, hormone free and animal free environment
- No known major food allergens (as defined by FDA and WHO)
- The final product and its raw materials are not derived from nor come into contact with animal parts, animal products, and/or animal byproducts/derivatives.
- Is not subject to genetic modification
- Synonyms: 1- $\beta$ -D-Ribofuranosyluracil, Uracil-1-  $\beta$ -D-ribofuranoside
- Visit the product page on our website ([www.biospectra.us](http://www.biospectra.us)) for additional information, supporting regulatory documents, and CofAs.

### Storage and Shipping Conditions

Refer to SDS.

### Standard Shelf Life Policy

Each Certificate of Analysis will contain a 2-year retest/recertification date supported by a 3-year ICH Q1 Stability Study (if one is completed).

### Package Sizes

100g, 500g, 1kg, 5kg, 10kg, 25kg, 50kg

### Standard Lead Time

1-2 weeks