

URIDINE BIOTECH, LBLE, GMP BIO PHARMA GRADE / URID-4250

$C_9H_{12}N_2O_6$ Δ F.W. 244.20 g/mol. Δ CAS# 58-96-8

Intended for Use in Biopharmaceutical & Biotechnological Applications and Products

Uridine Biotech is as a high purity, GMP Reagent Grade. Uridine is a glycosylated pyrimidine-analog containing uracil attached to a ribose ring via a β -N1-glycosidic bond. It is one of the five standard nucleosides which make up nucleic acid. Uridine is used a nutrient, an intermediate in biopharmaceutical preparations with other biotechnology applications.

SPECIFICATIONS

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

General Product Description:

Molecular Formula: $C_9H_{12}N_2O_6$

Molecular Weight: 244.20 g/mol

CAS Number: 58-96-8

Uridine Biotech:

- Uridine Biotech is a white to almost white powder
- Is manufactured under an ICH-Q7 Quality Managed cGMP System
- Manufactured in an enzyme free, hormone free and animal free environment
- Has no known major food allergens (as defined by FDA and WHO)
- The final product nor its raw materials are not derived from nor come into contact with animals, animal parts, animal products, and/or animal byproducts or derivatives.
- Is not subject to genetic modification
- Synonyms: 1- β -D-Ribofuranosyluracil, Uracil-1- β -D-ribofuranoside

Shelf Life Policy:

Three-year expiry from the date of manufacture.

Storage and Shipping Conditions:

Please refer to the SDS for storage and shipping conditions.

Package Size:

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