

URIDINE

LBLE, GMP

CAS #: 58-96-8

Formula: C₉H₁₂N₂O₆

F.W.: 244.20 g/mol

URID-4250

BIO PHARMA GRADE

ANALYSIS		SPECIFICATIONS
Ammonium		< = 1500 ppm
Appearance and Color		White to Almost White Powder
Assay, HPLC		98.0 - 102.0%
Assay, UV		> = 98.0%
Chloride		< = 500 ppm
Endotoxin		< = 0.5 EU/mg
Identification, IR		Conforms to Reference Standard
Insoluble Matter		< = 0.1%
Loss on Drying		< = 0.5%
Purity		> = 99.0%
Microbial Content	TAMC	< = 100 CFU/g
	TYMC	< = 100 CFU/g
Residue on Ignition		< = 0.1%
Solubility		Clear, Colorless
Trace Metals	Aluminum (Al)	< = 5 ppm
	Calcium (Ca)	< = 100 ppm
	Copper (Cu)	< = 5 ppm
	Iron (Fe)	< = 30 ppm
	Phosphorus (P)	< = 160 ppm
	Potassium (K)	< = 50 ppm
	Magnesium (Mg)	< = 30 ppm
	Sodium (Na)	< = 200 ppm
	Lead (Pb)	< = 10 ppm
Zinc (Zn)	< = 5 ppm	
Transparency		> = 98.0%

General Product Overview

This is a high purity, reagent grade product, purified under cGMP conditions. 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 a nutrient and an intermediate in biopharmaceutical preparations with other biotechnology applications.

Industry Application

Suitable for use in biological and biotech chemical process applications from R&D through scale cGMP production.

Key Product Features

- Appears as a white to almost-white powder
- Manufactured in accordance with IPEC
- Manufactured in an enzyme free, hormone free and animal free environment
- Contains 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 or derivatives.
- Is not subject to genetic modification
- Synonyms: 1-β-D-Ribofuranosyluracil, Uracil-1-β-D-ribofuranoside

Storage and Shipping Conditions

Refer to SDS.

Standard Shelf-Life Policy

Unless otherwise noted on the Shelf-Life Statement and CoA, this product has a 2-year retest date supported by a 3-year ICH Q1 Stability Study (if one is completed).

Package Sizes

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

[Click here to view SDS, CoAs and other supporting regulatory documents on our website.](#)

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