



Specification

Uridine Triphosphate Sodium Salt Pharma Grade

Catalog Number: UT1001
Lot Number: Typical-305
CAS Number: 19817-92-6
Molecular Formula: $C_9H_{12}N_2Na_3O_{15}P_3 \cdot xH_2O$
Molecular Weight: 550.09 (Anhydrous)
Storage: $\leq -20^\circ C$
Retest Period: Three years from the date of manufacture

Test	Specification
Appearance	White lyophilized powder
Purity (HPLC)	$\geq 95\%$
Dry Substance	$\geq 90\%$
Identification (HPLC)	Column retention time matches the standard
Transmittance (430nm)	$\geq 97\%$
Moisture	$\leq 10.0\%$
pH	4.0 – 6.0
Related Substances (HPLC)	
UDP	$\leq 5.0\%$
UMP	$\leq 0.5\%$
ATP	$\leq 0.5\%$
Impurities	
Individual	$\leq 0.2\%$
Total	$\leq 5.0\%$
Chloride	$\leq 1,000\text{ppm}$
Heavy Metals	$\leq 10\text{ppm}$
Iron	$\leq 100\text{ppm}$
Total Aerobic Count	$\leq 100\text{CFU/g}$
Total Yeast & Mold	$\leq 10\text{CFU/g}$
Bacterial Endotoxin	$\leq 0.125\text{EU/mg}$
Residual Solvents	
EtOH	$\leq 500\text{ppm}$
MeOH	$\leq 500\text{ppm}$
Acetone	$\leq 500\text{ppm}$

Approved:

John Grubb, PhD
Gojira Fine Chemicals
Quality Manager

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Gojira Fine Chemicals, LLC

Quality Products & Services Meeting Customer Needs
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