



SPECIFICATION

ATP002 - 8/25/06 - Rev 4



Adenosine 5'-Triphosphate Disodium

	Determination	Specification	Method
Physical Properties	Appearance	White to off white powder	Organoleptic
	Particle Size	NLT 80% through USS#80 (180 micron)	Ro Tap
Analytical	ATP Disodium (C ₁₀ H ₁₄ N ₅ Na ₂ O ₁₃ P ₃)	NLT 96.0% (odb)	HPLC
	UV Absorption	λ max. = 257±1 nm A ₂₅₀ / A ₂₆₀ = 0.79 to 0.89 A ₂₈₀ / A ₂₆₀ = 0.17 to 0.27	UV
	Sodium (Na)	NMT 8% (odb)	AA
	pH (1%)	2.4 - 4.5	USP
	Loss on Drying	6.0-12.0%	USP
	Residual Solvents	NMT 0.1%	GC
	Related Compounds (AMP, ADP)	NMT 4%	HPLC
	Heavy Metals	NMT 20 ppm	USP
	Arsenic (As)	NMT 1 ppm	USP
	Iron (Fe)	NMT 1000 ppm	USP
Microbial	Total Aerobic	NMT 100 cfu/g	USP
	Yeast & Mold	NMT 100 cfu/g	USP
	E. coli	Negative	USP
	Salmonella	Negative	USP
Other	Shelf Life	When the product is stored in unopened drums under optimal conditions, the shelf life of this product should exceed two years from the date of manufacture.	
	Shipping Information	Available in 10 kg double poly-lined fiber drums	

The information presented herein is based on our best knowledge and believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. TSI Health Sciences, Inc. shall not be held liable for any damage resulting from handling or from contact with the specified product.