

Certificate of Analysis

Tetracaine Base

CAS No	94-24-6	Code	BIOJTET001
Lot No	004240404	Manufacture Date	Apr.07, 2024
Retest Date	Apr.06, 2027	Quantity	7Kgs

Testing Items	Specifications	Results
Appearance	Should be white or light yellow waxy solid	Complies
Solubility	Slightly soluble in water, dissolved in ethanol, ether, benzene, and chloroform	Complies
Identification	A: Dissolve 100mg in 10ml of dilute hydrochloric acid(1 in 120), and add 1ml of potassium thiocyanate solution(1 in 4): a crystalline precipitate is formed. Recrystallize the precipitate from water, and dry at 80°C for 2 hours: it melts between 130 and 132	Complies
	B: By UV, to match with working standard	Complies
Related substance	Pare-aminobenzoic acid $\leq 0.4\%$ Impurity B $\leq 0.4\%$ Impurity C $\leq 0.4\%$ Any other impurity $\leq 0.4\%$ Total of other impurities $\leq 0.8\%$	0.012% 0.0026% 0.012% 0.025% 0.10%
Loss on drying	$\leq 0.5\%$	0.075%
Residue on ignition	$\leq 0.1\%$	0.040%
Melting range	41 °C ~46 °C	41 °C ~42 °C
Residual solvents	Ethanol $\leq 0.5\%$ Acetone $\leq 0.5\%$ Toluene $\leq 0.089\%$ Isopropyl ether $\leq 0.5\%$	Not detected Not detected 0.0066% 0.015%
Assay	98.0% ~102.0% (calculated on the dried basis)	99.3%
Conclusion	This product conforms to USP standard	

***Storage condition: Store below 25°C, Protect from moisture and light.**