

## Certificate of Analysis

### Bupropion Hydrochloride

CAS No.	31677-93-7	Code	BIOJBUP001
Batch No	003-240419	Manufacture Date	Apr.23, 2024
Retest Date	Apr.22, 2029	Quantity	10Kgs

Testing Items	Specifications		Results
Appearance	White powder		White powder
Solubility	Soluble in water, ethanol and 0.1N hydrochloric acid		Complies
Identification	IR absorption: Matches with standard		Complies
	The retention time of the major peak of the sample solution corresponds to that of the standard solution, as obtained in the assay		Complies
	A solution of 1mg/ml in water meets the requirement of the silver nitrate precipitate test for chloride		Complies
Impurities (HPLC)	3-Chlorobenzoic acid $\leq 0.2\%$		Not detected
	Organic impurities	Deschloro bupropion $\leq 0.5\%$	0.03%
		Bupropion dione derivative $\leq 0.2\%$	Not detected
		o-Bupropion $\leq 0.1\%$	Not detected
		Chloropropiophenone $\leq 0.1\%$	Not detected
		Bupropion hydrochloride related compound A $\leq 0.2\%$	Not detected
		Bupropion hydrochloride related compound B $\leq 0.2\%$	Not detected
		Bromochloropropionphenone $\leq 0.1\%$	Not detected
		4-Chlorobupropion $\leq 0.2\%$	Not detected
		5-Chlorobupropion $\leq 0.2\%$	Not detected
		Any individual impurity $\leq 0.1\%$	Not detected
	Total impurities $\leq 1.0\%$		0.03%
Residual solvents (GC)	2-Chloropropane $\leq 3.3\text{ppm}$		Not detected
	Isopropanol $\leq 3000\text{ppm}$		114ppm
	Dichloromethane $\leq 300\text{ppm}$		Not detected
Water (KF)	$\leq 0.5\%$		0.03%
Assay (HPLC)	98.0%~102.0%(Calculated on the dried basis)		101.6%
Conclusion	This product conforms to USP2024 standard		

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