

# Certificate of Analysis

## Spironolactone

CAS No.	52-01-7	Code	BIOJSPR001
Batch No	C006-20250603	Manufacture Date	Jun.11, 2025
Retest Date	Jun.10, 2028	Quantity	25Kgs

Testing Items	Specifications	Results
Appearance	White or yellowish-white powder	White powder
Identification	The spectrum of the tested magenta is same as that of reference	Complies
Solubility	Very slightly soluble in water, soluble in ethanol (96%) and in methanol, sparingly soluble in acetone, slightly soluble in methylene chloride	Complies
Loss on Drying	≤0.5%	0.28%
Specific rotation	Between -41° to -46°	-43.7°
Sulfated ash	≤0.1%	0.05%
Related substances	Impurity I ≤0.5% Impurity E & F ≤0.3% Impurity A & C ≤0.2% Impurity D ≤0.15% Unspecified impurity ≤0.1% Total impurities ≤0.7%	Not detected E: <0.05%; F: <0.05% A: 0.10%; C: ND 0.05% 0.05% 0.10%
Ordinary impurities	≤2.0%	Complies
Particle size	90% < 25um	Complies
Residual solvent	DMF ≤880ppm Methanol ≤3000ppm	Not detected 8ppm
Assay	97.5%~103.0% (Calculated on the dried basis)	100.1%
Chromium	≤50ppm	Complies
Free mercapto compounds	≤0.1ml	Complies
Free thiol compounds	Should be conforms	Complies
Conclusion	This product conforms to EP11.0/USP43 standard	

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