

## Certificate of Analysis

### Mupirocin

CAS No.	12650-69-0	Code	BIOJMPR001
Batch No	VP2412005	Manufacture Date	Dec.20, 2024
Retest Date	Dec.19, 2027	Quantity	500G

Testing Items	Specifications	Results
Appearance	White to off-white solid	Complies
Solubility	Freely soluble in acetone, in chloroform, in dehydrated alcohol, and in methanol; slightly soluble in ether; very slightly soluble in water.	Complies
Identification	IR spectrum of the test specimen should be consistent with the IR references spectrum.	Complies
Crystallinity	The particles show birefringence (interference colors) and extinction positions when the microscope stage is revolved	Complies
pH	3.5~4.5	3.94
Water	≤1.0%	0.04%
Related substances	Impurity C ≤4.0%	0.84%
	Impurity B ≤1.0%	0.11%
	Impurity D ≤1.0%	0.07%
	Impurity E ≤1.0%	0.06%
	Impurity F ≤1.0%	0.14%
	Any other unspecified impurity ≤0.15%	0.10%(max)
	Total impurities ≤6.0%	1.2%
Residual solvents	Ethanol ≤5000ppm	Not detected
	Isopropyl acetate ≤5000ppm	48ppm
	Acetone ≤5000ppm	1748ppm
	n-Heptane ≤5000ppm	692ppm
Assay	920µg/mg~1020µg/mg (Calculated on the dried basis)	1003µg/mg
Conclusion	This product conforms to USP and In-house standard	

**\*Storage condition: Store between 2°C~8°C, Protect from moisture and light.**