

Certificate of analysis

Mupirocin

CAS No.	12650-69-0	Code	BIOJMPR001
Batch No	VP2306001	Manufacture Date	Jun.16, 2023
Retest Date	Jun.15, 2025	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	3.9
Water	≤1.0%	0.17%
Related substances	Impurity C ≤4.0%	0.87%
	Impurity B ≤1.0%	0.09%
	Impurity D ≤1.0%	0.06%
	Impurity E ≤1.0%	0.07%
	Impurity F ≤1.0%	0.28%
	Any other unspecified impurity ≤0.15%	Not detected
	Total impurities ≤6.0%	1.37%
Residual solvents	Ethanol ≤5000ppm	Not detected
	Isopropyl acetate ≤5000ppm	30ppm
	Acetone ≤5000ppm	1292ppm
	n-Heptane ≤5000ppm	336ppm
Assay	920µg/mg~1020µg/mg (Calculated on the dried basis)	1005µg/mg
Conclusion	This product conforms to USP and In-house standard	

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