

Certificate of Analysis

Sirolimus

CAS No.	53123-88-9	Code	BIOJSRL001
Batch No	CBR10-240405	Manufacture Date	Apr.25, 2024
Retest Date	Apr.24, 2027	Quantity	5G

Testing Items	Specifications	Results
Appearance	White or off-white crystalline powder	Off-white powder
Specific rotation (on anhydrous basis)	-145° ~ -160°	-152°
Identification	HPLC: The retention time of major peak of test solution should correspond to that of comparison solution	Complies
	IR: Spectrum of test sample should confirm to that of reference standard spectrum	Complies
Related substances	Impurity A ≤ 1.0%	0.14%
	Any unspecified individual impurity(Except for C isomers) ≤ 0.3%	0.22%
	Total impurities(Except for C isomers) ≤ 2.0%	0.80%
	C isomer ≤ 4.0%	1.7%
Residual solvents	Dichloromethane ≤ 600ppm	Not detected
	Ethyl acetate ≤ 2000ppm	27ppm
	Ethanol ≤ 1000ppm	Not detected
	Diethyl ether ≤ 2000ppm	110ppm
	n-Heptane ≤ 5000ppm	180ppm
Water(KF)	≤ 0.5%	0.13%
Assay	96.0~102.0% (Contains C isomers, on anhydrous basis)	98.3%
Conclusion	This product conforms to In-house(B5-SP0517) standard	

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