

Certificate of Analysis

Baricitinib

CAS No	1187594-09-7	Code	BIOJBAR001
Batch No	C034025061601	Manufacture Date	Jun.16, 2025
Retest date	Jun.15, 2027	Quantity	2Kgs

Testing Items	Specifications	Results
Appearance	White or off-white crystalline powder	Complies
Identification	HPLC	Complies
	IR	Complies
Loss on drying	$\leq 0.5\%$	0.17%
Melting point	211°C~216°C	Complies
Solubility data	Easily soluble in NN dimethylformamide, slightly soluble in tetrahydrofuran, slightly soluble in methanol and acetonitrile, very slightly soluble in ethanol and dichloromethane, and almost insoluble in water	Complies
Residue on ignition	$\leq 0.2\%$	0.03%
Heavy metals	$\leq 10\text{ppm}$	<10ppm
Related substances	Any single impurity $\leq 0.1\%$	0.05%
	Total impurities $\leq 1.0\%$	0.08%
Residue solvents	Methanol $\leq 0.3\%$	Complies
	Dichloromethane $\leq 0.06\%$	Complies
	Ethanol $\leq 0.5\%$	Complies
	Tetrahydrofuran $\leq 0.072\%$	Complies
	Acetonitrile $\leq 0.041\%$	Complies
	N,N-Dimethylformamide $\leq 0.088\%$	Complies
Assay (HPLC)	98.0%~102.0% (Calculated on the dried basis)	99.7%
Conclusion	This product conforms to In-house standard	

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