

Certificate of analysis

Tofacitinib Citrate

CAS No	540737-29-9	Code	BIOJTFC001
Batch No	C033023102201	Manufacture Date	Oct.22, 2023
Retest date	Oct.21, 2025	Quantity	400G

Testing Items	Specifications	Results
Appearance	White or off-white powder	White powder
Identification	IR	Conform
	Color response	Conform
	Ultraviolet Visible spectrophotometry	Conform
Chloride	$\leq 0.02\%$	Conform
Heavy metals	$\leq 20\text{ppm}$	Conform
Residue on ignition	$\leq 0.1\%$	0.03%
Loss on drying	$\leq 0.5\%$	0.10%
Solvent remains	Ethanol $\leq 5000\text{ppm}$ Acetone $\leq 5000\text{ppm}$ Toluene $\leq 890\text{ppm}$ Dimethyl sulfoxide $\leq 5000\text{ppm}$	200ppm Not detected Not detected Not detected
Isomer	$\leq 0.5\%$	Not detected
Related substances	Any single impurity $\leq 0.10\%$	0.03%
	Total impurities $\leq 0.5\%$	0.06%
Assay(HPLC)	98.0%~102.0% (Calculated on the dried basis)	99.8%
Conclusion	This product conforms to In-house standard	

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