

## Certificate of analysis

### Famciclovir

CAS No.	104227-87-4	Code	BIOJFAM001
Batch No	FCV20240504	Manufacture Date	May.15, 2024
Retest Date	May.14, 2027	Quantity	2Kgs

Testing Items	Specifications	Results
Appearance	White or off-white crystalline powder	White crystalline powder
Identification	Infrared absorption: Corresponds to that of reference standard	Complies
	HPLC retention time: Corresponds to that of reference standard	Complies
Assay	98.0%~102.0% (Calculated on the dried basis)	99.4%
Organic impurities	Dimethylaminopyridine $\leq 0.05\%$	Not detected
	Penciclovir $\leq 0.50\%$	Not detected
	Famciclovir related compound A $\leq 0.20\%$	Not detected
	Famciclovir related compound B $\leq 0.60\%$	0.05%
	N-7 isomer of famciclovir $\leq 0.10\%$	Not detected
	N-Acetyl famciclovir $\leq 0.10\%$	0.02%
	Deoxychlorofamciclovir $\leq 0.20\%$	Not detected
	Propionyl famciclovir $\leq 0.15\%$	0.03%
	6-Chlorofamciclovir $\leq 0.15\%$	Not detected
	6-alkylaminofamciclovir $\leq 0.10\%$	Not detected
	Any other unspecified impurity $\leq 0.10\%$	Max 0.01%
Total impurities $\leq 1.0\%$	0.14%	
Loss on drying	$\leq 0.5\%$	0.1%
Residue on ignition	$\leq 0.1\%$	0.03%
Residual solvent	Methanol $\leq 3000\text{ppm}$	Not detected
	Dichloromethane $\leq 600\text{ppm}$	Not detected
	Ethyl acetate $\leq 5000\text{ppm}$	328ppm
	Cyclohexane $\leq 3880\text{ppm}$	71ppm
Conclusion	This product conforms to USP standard	

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