CERTIFICATE OF ANALYSIS

(Certificate No. KMA059003-01)

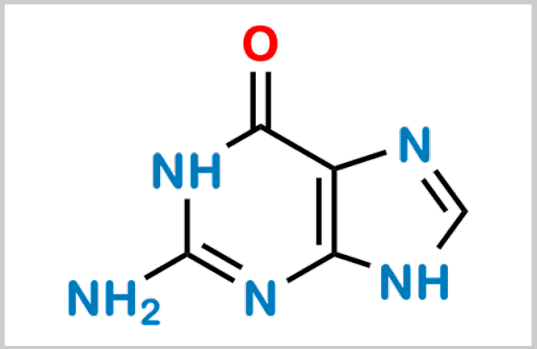
Release Date: 17/06/2026 **Re-test Date:** 16/06/2029

Acyclovir Impurity B

Identification

Chemical Name :
2-amino-1,7-dihydro-6H-purin-6-one (as per EP & USP)

Alt. Name	: Guanine (EP & USP) ; Valaciclovir EP Impurity A ; Valaciclovir USP Related Compound A
CAT No.	: KMA059003
CAS No.	: 73-40-5
Molecular Formula	: C5H5N5O
Molecular Weight	: 151.1



Analytical Information

Batch No.	: ACY-IMP-I-045-281
Description	: White Solid
HPLC Purity	: 98.23 %
Weight Loss By TGA	: 0.23 %
% Potency	: 98 %
Solubility	: 0.1 N NaOH
Mass	: Confirm as Na adduct
IR	: Confirm
1H NMR	: Confirm

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be Shipped at Room Temperature

% Potency = [100 - 0.23(Weight Loss By TGA)] x [98.23(HPLC Purity)]/100 = 98 %
-Re-tested on 17.06.2026

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		17/06/2026
Reviewed & Approved By	Quality Control	Jatin Patel		17/06/2026

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA