

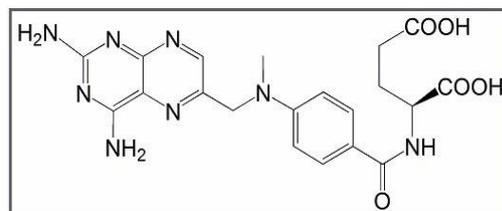
Analysis Date: 23-01-2026

Re-test Date: 23-01-2029

METHOTREXATE

Identification

Chemical Name	: (2S)-2-[[4-[[[(2,4-Diaminopteridin-6-yl)methyl]methylamino]benzoyl] amino] pentanedioic acid ; N-[4-[[[(2,4-Diamino-6-pteridiny)l)methyl]methyl amino] benzoyl]-L-glutamic acid ; 4-Amino-N10-methylpteroyl glutamic acid ; 4-Amino-N10-methylfolic acid
CAT No	: ALL-MET-345
CAS No	: 59-05-2 (acid) ; 7413-34-5 (disodium)
Molecular Formula	: C ₂₀ H ₂₂ N ₈ O ₅
Molecular Weight	: 454.44



Analytical Information

Batch Code	: ALL-MET-345	HPLC Purity	: 98.00%
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 97.28%
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: -20 ⁰ C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.651 %	¹HNMR	: Confirm
Residue Of Ignition	: 0.183 %		

Additional Information

$$\%Potency = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 =$$

$$[100 - (0.651 + 0.183) \times 98.00] / 100 = 97.28\%$$

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul Khadase Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

Attachment : HPLC, Mass, ¹H NMR, IR, TGA

Shipping Condition : All Product are stable to be shipped at room temperature, unless otherwise specified

Corporate Office