

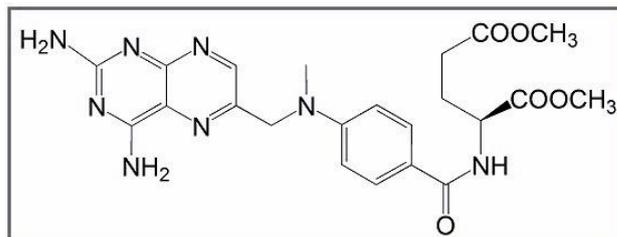
Analysis Date: 28-01-2026

Re-test Date: 28-01-2029

METHOTREXATE EP IMPURITY J

Identification

| | |
|--------------------------|---|
| Chemical Name | : Dimethyl(2S)-2-[[4-[[[(2,4-diaminopteridin-6-yl)methyl]methylamino]benzoyl]amino]pentanedioate ; N-[4-[[[(2,4-Diamino-6-pteridiny)]methyl]methylamino]benzoyl]-L-glutamic acid dimethyl ester |
| CAT No | : ALL-MET-659 |
| CAS No | : 34378-65-9 |
| Molecular Formula | : C ₂₂ H ₂₆ N ₈ O ₅ |
| Molecular Weight | : 482.49 |



Analytical Information

| | | | |
|------------------------------|-----------------------------------|-------------------------|-----------|
| Batch No | : ALL-MET-659 | HPLC Purity | : 98.00 % |
| Solubility | : USP Diluent / EP Diluent (MEOH) | Potency | : 97.38 % |
| Appearance of Product | : OFF WHITE SOLID | Mass | : Confirm |
| Long Term Storage | : 2-8 0C | IR Analysis | : Confirm |
| Weight Loss By TGA | : 0.063 % | ¹HNMR | : Confirm |
| Residue Of Ignition | : 0.564 % | | |

Additional Information

%Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =
 [100 - (0.063 + 0.564) × 98.00]/100 = 97.38 %

Recommendation : Released

| | Department | Name | Signature |
|--------------------------|------------|------------------------------------|-----------|
| Prepared and Reviewed by | Analytical | Mr. Vipul Khadse 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