

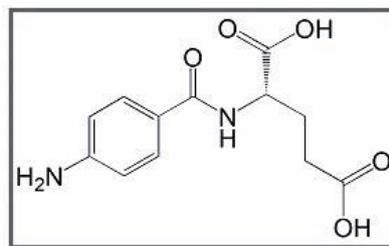
Analysis Date: 29-01-2026

Re-test Date: 29-01-2029

## METHOTREXATE EP IMPURITY K

### Identification

<b>Chemical Name</b>	: (2S)-2-[(4-Aminobenzoyl)amino]pentanedioic acid ; N-(4-Aminobenzoyl)-L-glutamic Acid ;
<b>CAT No</b>	: ALL-MET-301
<b>CAS No</b>	: 4271-30-1
<b>Molecular Formula</b>	: C <sub>12</sub> H <sub>14</sub> N <sub>2</sub> O <sub>5</sub>
<b>Molecular Weight</b>	: 266.25



### Analytical Information

<b>Batch No.</b>	: ALL-MET-301	<b>HPLC Purity</b>	: 98.00 %
<b>Solubility</b>	: MeOH: ACN	<b>Potency</b>	: 97.32 %
<b>Appearance of Product</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: 2-8 °C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 0.332 %	<b><sup>1</sup>HNMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.358 %		

### Additional Information

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

$$[100 - (0.332 + 0.358) \times 98.00] / 100 = 97.32 \%$$

**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, <sup>1</sup>H NMR, IR, TGA

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

### Corporate Office