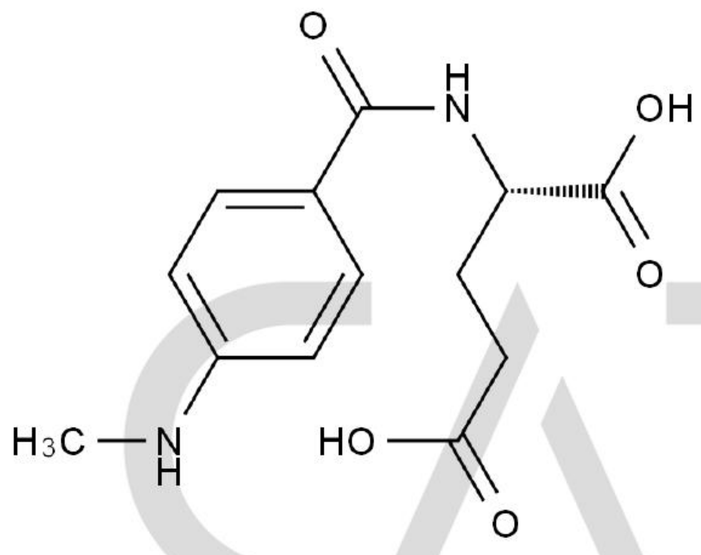
Certificate of Analysis

Reference Material & Standard

Product Name:	Methotrexate EP Impurity L	**Catalogue Number:**	C4X-115419
Synonyms:	N/A	**Lot Number:**	1112-RH-0041
CAS Number:	52980-68-4	**Expiry Date:**	Nov 17, 2030
Molecular Formula:	$C_{13}H_{16}N_2O_5$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	280.28	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.6%
Assay	qNMR	97.0%

CATO Research Chemicals Inc.

Signature:

Prepared by: Koji Date: Nov 18, 2026

Reviewed by: Lisa Date: Nov 19, 2026

Approved by General Manager: David Date: Nov 19, 2026

CATO Research Chemicals Inc.