CERTIFICATE OF ANALYSIS

(Certificate No. KMM018002-01)

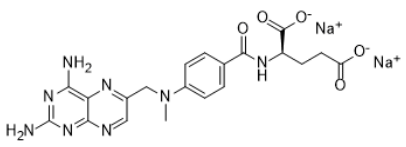
Release Date: 29/07/2024 **Re-test Date:** 28/07/2027

Methotrexate R Isomer

Identification

Chemical Name :
sodium (R)-2-(4-(((2,4-diaminopteridin-6-yl)methyl)(methyl)amino)benzamido)pentanedioate

Alt. Name	: (R)-methotrexate
CAT No.	: KMM018002
CAS No.	: Not Available (Na salt) ; 51865-79-3 (free acid)
Molecular Formula	: C20H20N8O5 : 2(Na)
Molecular Weight	: 454.44 : 2(23.0)



Analytical Information

Batch No.	: MET-R-ISO-019-377	**Solubility**	: Water
Description	: Yellow Solid	**Mass**	: Confirm
HPLC Purity	: 95.79 %	**IR**	: Confirm
Weight Loss By TGA	: 0.31 %	**1H NMR**	: Confirm
% Potency	: 95.49 %		

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 - 0.31(Weight Loss By TGA)] x [95.79(HPLC Purity)]/100 = 95.49 %
Remarks : COA Re-generated on 29.07.2024

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		30/07/2024
Reviewed & Approved By	Quality Control	Jatin Patel		30/07/2024

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