CERTIFICATE OF ANALYSIS

(Certificate No. KMA002137-02)

Release Date: 12/06/2025 **Re-test Date:** 11/06/2028

Atorvastatin Impurity Q

Identification

Chemical Name:

(3R,5R)-7-[5-(4-Fluorophenyl)-3-isopropyl-2-oxo-4-phenyl-3-(phenylcarbamoyl)-2,3-dihydro-1H-pyrrol-1-yl]-3,5-dihydroxyheptanoic acid Sodium salt (as per USP)

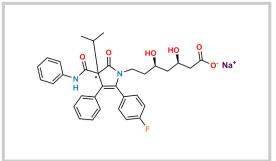
Alt. Name : Atorvastatin Lactam Impurity ;

Atorvastatin Oxo Impurity

CAT No. : KMA002137 **CAS No.** : 148217-40-7

Molecular Formula : C33H34FN2O6 : Na

Molecular Weight : 573.6 : 23.0



Analytical Information

adduct

HPLC Purity : 94.52 %

Weight Loss By TGA : 3.26 %

% Potency : 91.44 %

IR : Confirm

1H NMR : Confirm

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 - 3.26(Weight Loss By TGA)] x [94.52(HPLC Purity)]/100 = 91.44 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		19/07/2025
Reviewed & Approved By	Quality Control	Jatin Patel		19/07/2025

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