CERTIFICATE OF ANALYSIS

(Certificate No. KMS001003-02)

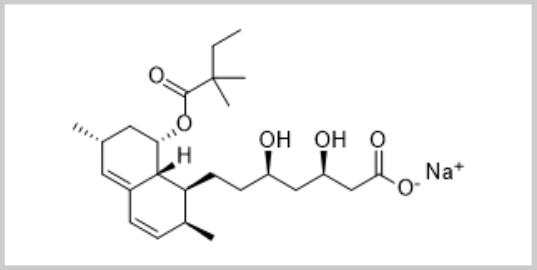
Release Date: 10/01/2026 **Re-test Date:** 09/01/2029

Simvastatin Impurity A

Identification

Chemical Name :
sodium (3R,5R)-7-((1S,2S,6R,8S,8aR)-8-((2,2-dimethylbutanoyl)oxy)-2,6-dimethyl-1,2,6,7,8,8a-hexahydronaphthalen-1-yl)-3,5-dihydroxyheptanoate

CAT No.	: KMS001003
CAS No.	: 101314-97-0(Na salt) ; 121009-77-6(free base)
Molecular Formula	: C25H39O6 : Na
Molecular Weight	: 435.6 : 23.0



Analytical Information

Batch No.	: S001003-114-091	**Solubility**	: Acetonitrile
Description	: Off White Solid	**Mass**	: Confirm
HPLC Purity	: 95.10 %	**IR**	: Confirm
Weight Loss By TGA	: 3.19 %	**1H NMR**	: Confirm
% Potency	: 92.07 %		

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 - 3.19(Weight Loss By TGA)] x [95.10(HPLC Purity)]/100 = 92.07 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		10/01/2026
Reviewed & Approved By	Quality Control	Jatin Patel		10/01/2026

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