# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMS001003-01)

Re-test Date: 07/04/2027

### **Release Date:** 08/04/2024

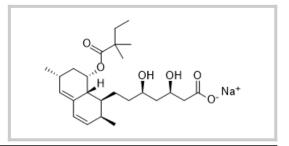
# Simvastatin Impurity A

### **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	: C25H40O6
Molecular Weight	: 436.58



## **Analytical Information**

Batch No.	: SIM-EPA-073-161	Solubility	: ACN
Description	: Off White Solid	Mass	: Confirm
HPLC Purity	: 98.59 %	IR	: Confirm
Weight Loss By TGA	: 3.29 %	1H NMR	: Confirm
% Potency	: 95.35 %		

## **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		
<b>% Potency =</b> [100 - 3.29(Weight Loss By TGA)] x [98.59(HPLC Purity)]/100 = 95.35 %			

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Parag Patel		30/04/2025
Reviewed & Approved By	Quality Control	Jatin Patel		30/04/2025

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