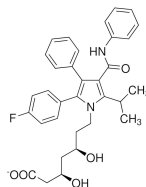


Certificate of Analysis

Product Name : Atorvastatin calcium salt trihydrate $\geq 98\%$ (HPLC)
Product Number : PZ0001-VAR
Batch Number : 0000041268
 Source Batch : 0000040035
 CAS Number : 134523-03-8 (anhydrous)
 Molecular Formula : $C_{33}H_{34}FN_2O_5 \cdot 0.5 Ca \cdot 1.5 H_2O$
 Formula Weight : 604.69
 Quality Release Date : 16 Jul 2018



• 0.5Ca²⁺
 • 1.5H₂O

Test	Specification	Result
Appearance (Color)	White to Beige	White
Appearance (Form)	Powder	Powder
Solubility (Turbidity)	Clear	Clear
Solubility (Color)	Conforms to Requirements	Colorless
Concentration	≥ 10.0 mg/ml	34.0 mg/ml
DMSO		
Purity (HPLC)	$\geq 97.5\%$	99.8 %
Identity	Confirmed	Confirmed
Water Content	1.4 - 1.6 mol	1.5 mol
Salt Content	0.4 - 0.6 mol	0.5 mol
Elemental Composition	Pass	Pass
Optical Rotation	-10.0 - -5.0 °	-8.3 °
(C= 1, DMSO)		

Brendan Nye, QC Supervisor

Quality Control

Natick, Massachusetts

US