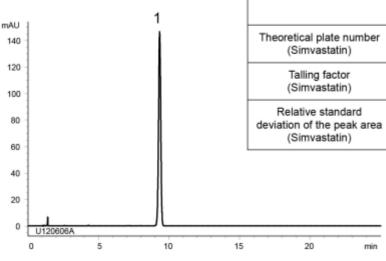
A) Assay: Standard solution*1 (0.1 mg/mL Simvastatin)



	System suitability requirement	Result
Theoretical plate number (Simvastatin)	≧6000	17600
Talling factor (Simvastatin)	0.9≦Tf≦1.1	0.98
Relative standard deviation of the peak area (Simvastatin)	≦1.0%	0.07%

1

Result

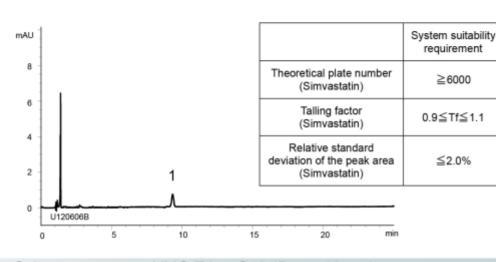
17200

1.00

1.05%

ОН

B) Related substances: Standard solution*1 (0.0005 mg/mL Simvastatin)



Simvastatin

: YMC-Triart C18 (5 μm, 12 nm) Column

250 X 4.6 mml.D.

: phosphate buffer (pH 4.5)*2/acetonitrile (35/65) Eluent

Dissolve 3.90 g of NaH₂PO₄·2H₂O in 900 mL water, adjust pH 4.5 with H₃PO₄, and add

requirement

≥6000

0.9≦Tf≦1.1

≦2.0%

water to make 1000 mL

Flow rate : 1.8 mL/min (adjust the flow rate so that the retention time of simvastatin is about 9 min)

: 45°C Temperature

Detection : UV at 238 nm

Injection : 10 µL

(The draft for the Japanese Pharmacopoeia; Assay, Related substances)

^{*1} All standard solutions were prepared from Simvastatin supplied as a reagent for laboratory use.