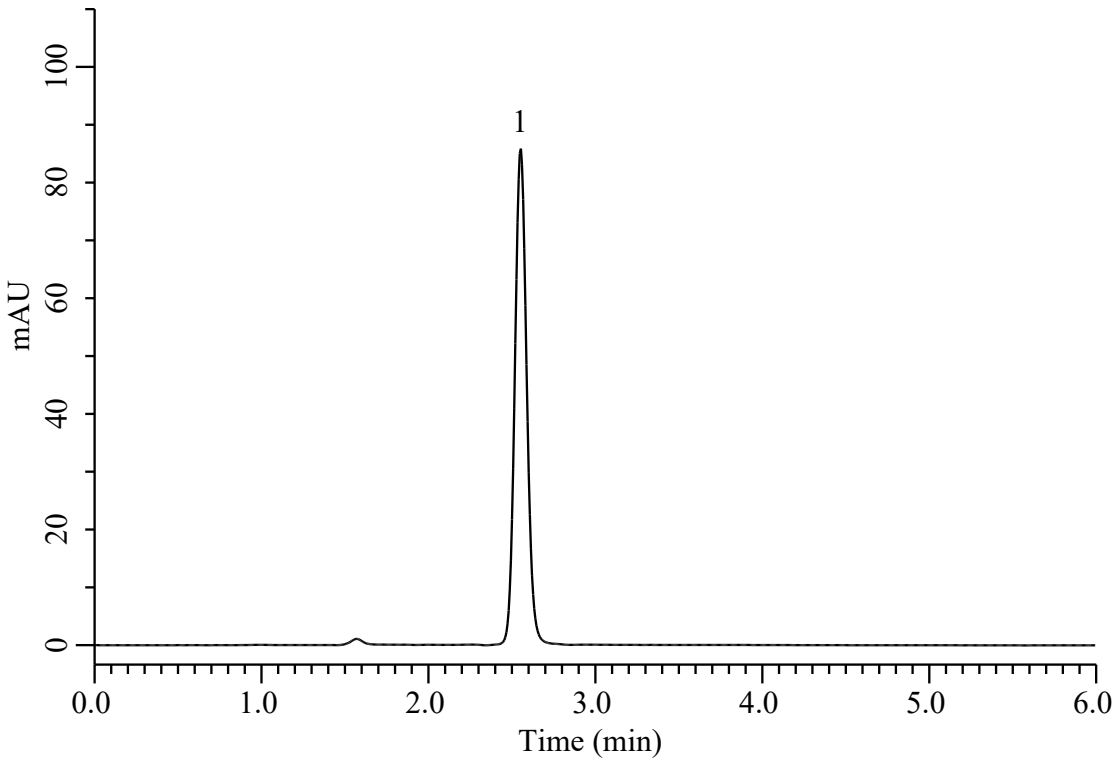
Analysis of Sumatriptan

(Under the Condition of the USP43-NF38, Sumatriptan Tablets)



Conditions

System	:	Chromaster PLUS HPLC system (HITACHI)
Column	:	InertSustain AQ-C18 (GL Sciences Inc.) (5 μ m, 250 x 4.6 mm I.D.)
Column Cat. No.	:	5020-89731
Eluent	:	A) CH_3CN B) Buffer *1 A/B = 1/3, v/v
Flow Rate	:	1.5 mL/min
Col. Temp.	:	40 ℃
Detection	:	UV 282 nm
Injection Vol.	:	10 μ L
Sample	:	Standard *2

Analyte :

1. Sumatriptan	0.1 mg/mL

Tailing factor(1)	: 1.06 (≦2.0)
RSD of the peak area of 1(%)(n=6)	: 0.28 (≦1.0)

*1 2.9 g/L of monobasic sodium phosphate, 1.3 mL/L of dibutylamine, and 0.4 mL/L of phosphoric acid in water. Adjust with 10 N sodium hydroxide to a pH of 6.5.

*2 3.9 g/L of monobasic sodium phosphate. Adjust with 10 N sodium hydroxide to a pH of 6.5 before dilution.