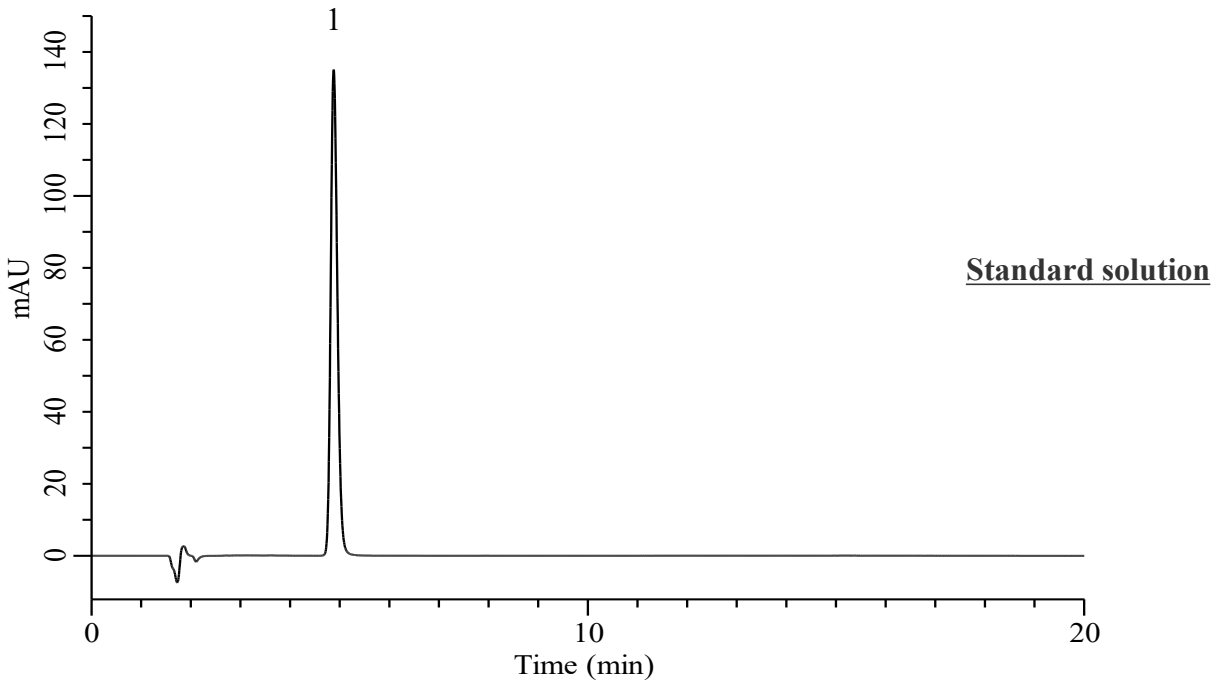
Analysis of Loperamide hydrochloride

(Under the Condition of draft for USP PF52(4), Loperamide Hydrochloride Capsules, ASSAY)



Conditions

System	:	Primaide (HITACHI)
Column	:	Inertsil Hybrid-C18 (GL Sciences Inc.) (5 µm, 150 x 4.6 mm I.D.)
Column Cat. No.	:	5020-76016
Eluent	:	CH_3OH/Solution*=62/38, v/v
Flow Rate	:	1.0 mL/min
Col. Temp.	:	45 ℃
Detection	:	UV 226 nm (Primaide 1435 DAD)
Injection Vol.	:	10 µL
Sample	:	Standard in CH_3CN/H_2O=50/50 , v/v

Analyte:

1. Loperamide hydrochloride 0.1 mg/mL

Tailing factor : (0.8 ≦) 1.23 (≦ 1.8)

RSD of
the peak area (%)(n=6) : 0.23 (≦ 1.0)

* : Add 2 mL of trifluoroacetic acid and 3 mL of triethylamine to 1000 mL of water.