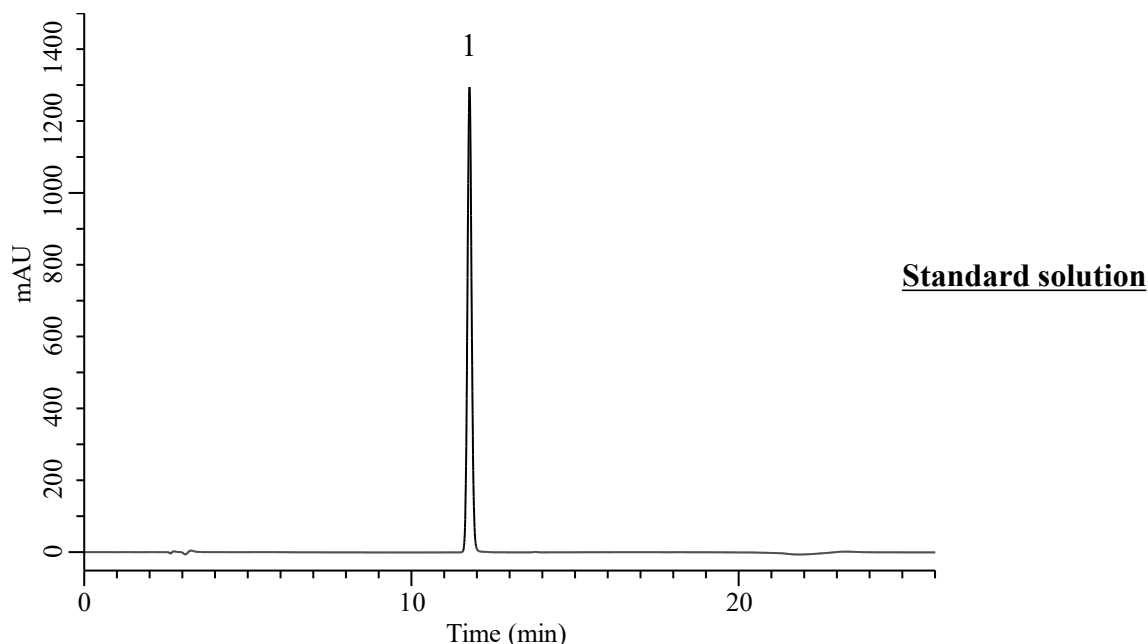


Analysis of Entacapone

(Under the Condition of draft for USP, Carbidopa, Levodopa, and Entacapone Tablets , Assay, **PROCEDURE 2: ENTACAPONE**)



Conditions

System : Chromaster PLUS (HITACHI)
Guard Column : InertSustain C18 (GL Sciences Inc.)
 (5 μ m, 20 x 3.0 mm I.D.)
Column Cat. No. : 5020-19549
Column : InertSustain C18 (GL Sciences Inc.)
 (5 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-07346
Eluent : A) CH₃CN/CH₃OH=50/50 , v/v
 B) Buffer*

Analyte:

1. Entacapone 0.32 mg/mL

Tailing factor : (0.8 $\leq$) 1.05 ($\leq$ 1.8)

RSD of
 the peak area of 1 (%) (n=6) : 0.30 ($\leq$ 1.0)

Time (min)	A (vol %)	B (vol %)
0.0	40	60
2.0	40	60
17.0	80	20
19.0	40	60
26.0	40	60

Flow Rate : 1.0 mL/min
Col. Temp. : 40 °C
Detection : UV 300 nm (Chromaster 5430 DAD)
Injection Vol. : 10 μ L
Sample : Standard in (5% H₂O in CH₃CN)

* : Dissolve 1.8 g of sodium phosphate, monobasic, anhydrous in 900 mL of water. Add 2 mL of phosphoric acid, and dilute with water to 1000 mL.