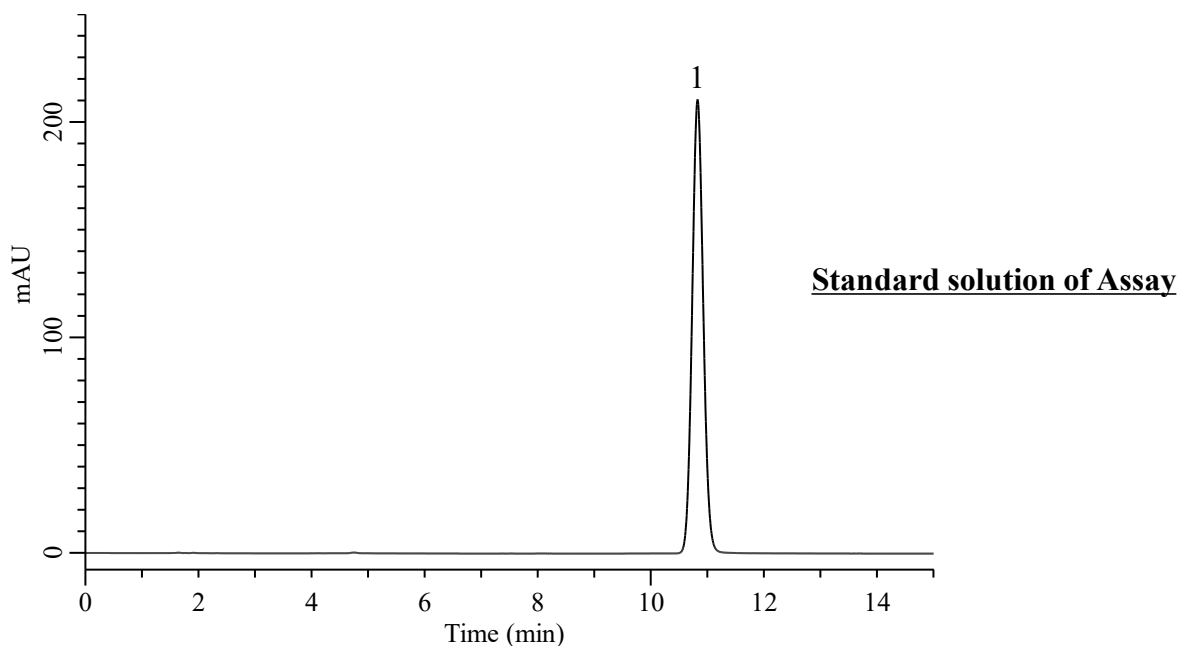


Analysis of Zonisamide

(Under the Condition of the USP43-NF38, Zonisamide, ASSAY)



Conditions

System : Chromaster PLUS (HITACHI)
Column : InertSustain C18 (GL Sciences Inc.)
 (5 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-07346
Eluent : A) CH₃CN
 B) CH₃OH
 C) Buffer*
 A/B/C = 1/1/8, v/v/v
Flow Rate : 1.5 mL/min
Col. Temp. : 40 °C
Detection : UV 240 nm (Chromaster 5430 DAD)
Injection Vol. : 20 μ L
Sample : Standard in Mobile phase

Analyte:

1. Zonisamide	0.1 mg/mL
Number of theoretical plates	: 14,503 ($\geq$ 5,000)
Tailing factor	: 1.07 ($\leq$ 1.8)
RSD of the peak area (%) (n=6)	: 0.18 ($\leq$ 2.0)

*: 1.36 g/L of monobasic potassium phosphate in water. Adjust the pH to 3.0 $\pm$ 0.1 with 10% phosphoric acid.