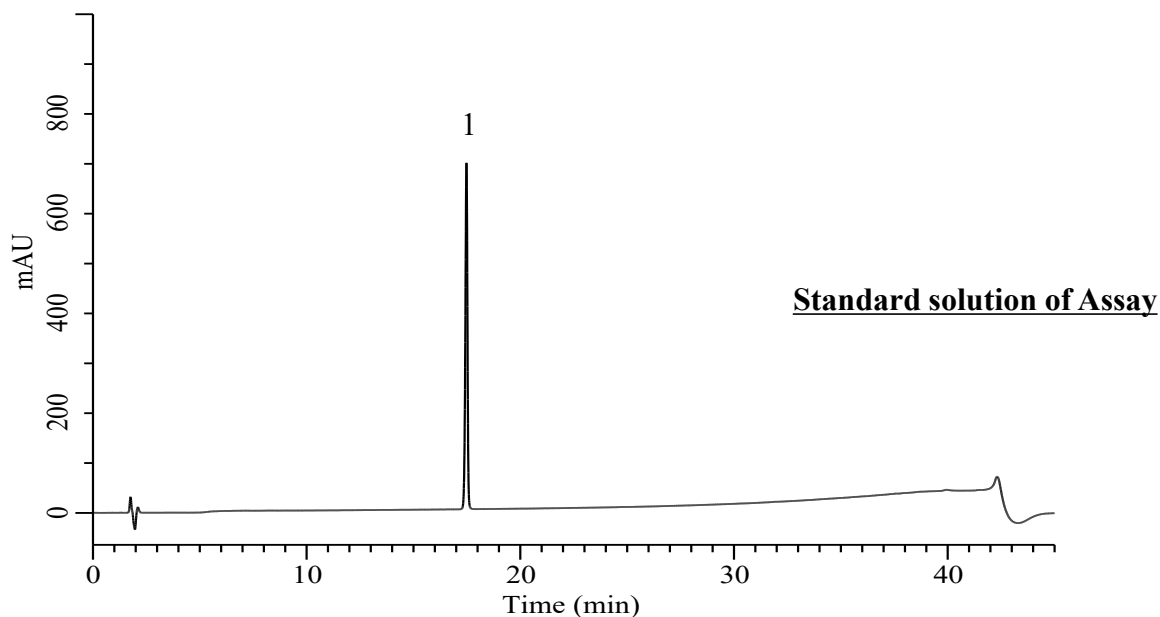


# Analysis of Dapagliflozin propanediol

(Under the Condition of the USP-NF, Dapagliflozin Propanediol)



**Conditions**

**System** : Chromaster PLUS HPLC system (HITACHI)  
**Column** : InertSustain C18 (GL Sciences Inc.)  
 (3.5  $\mu$  m, 150 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-89996  
**Eluent** : A) TFA/CH<sub>3</sub>CN = 0.5/1000, v/v  
 B) TFA/H<sub>2</sub>O = 0.5/1000, v/v

**Analyte:**

1. Dapagliflozin propanediol 0.2 mg/mL

Tailing factor : 0.94 (0.8 - 1.5)

RSD of the peak area (%)(n=6): 0.08 ( $\leq$  0.85)

Time (min)	A (vol %)	B (vol %)
0	15	85
2	15	85
36	90	10
39	90	10
40	15	85
45	15	85

**Flow Rate** : 1.0 mL/min  
**Col. Temp.** : 30 °C  
**Detection** : UV 220 nm (5430 DAD)  
**Injection Vol.** : 10  $\mu$  L  
**Sample** : Standard