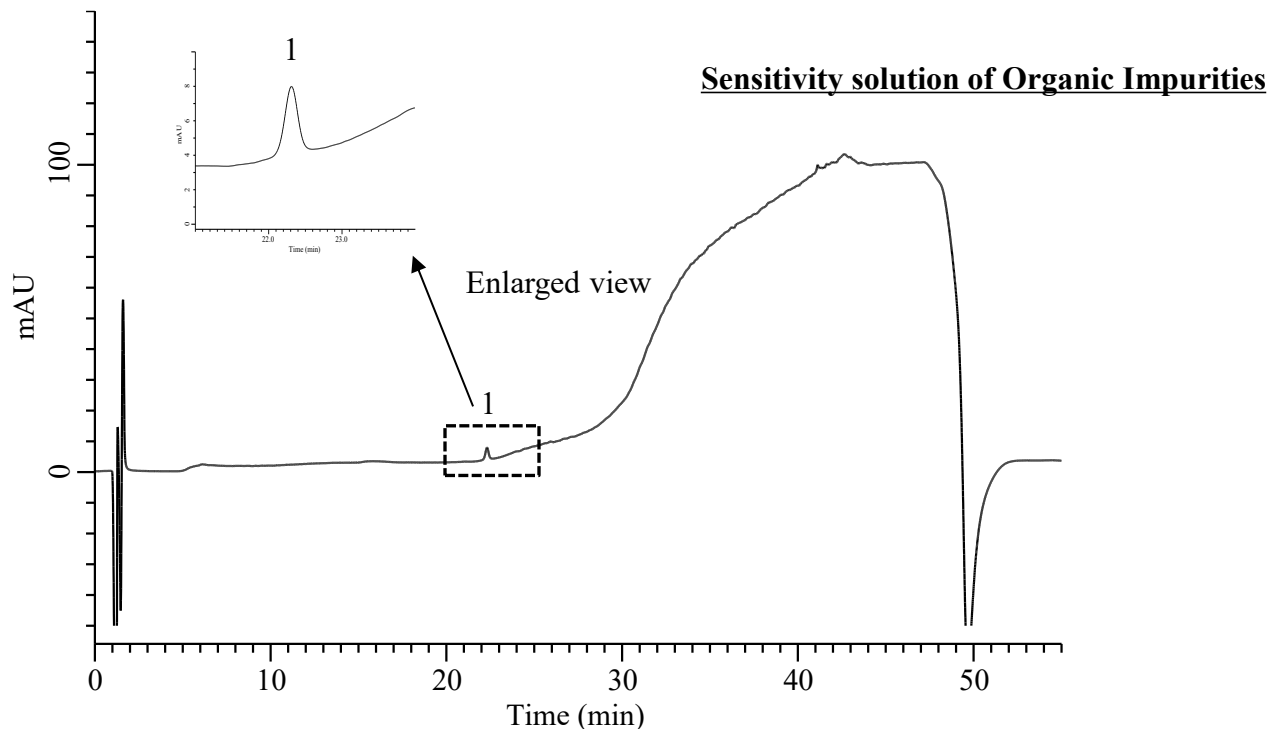


# Analysis of Saxagliptin

(Under the Condition of the draft for USP, Saxagliptin Tablets)



**Conditions**

**System** : Chromaster HPLC system (HITACHI)  
**Column** : InertSustain C18 (GL Sciences Inc.)  
 (HP 3.5 μ m, 150 x 3.0 mm I.D.)  
**Column Cat. No.** : 5020-90751  
**Eluent** : A) CH<sub>3</sub>OH/H<sub>2</sub>O/TFA = 90/10/0.08 , v/v/v  
 B) CH<sub>3</sub>OH/H<sub>2</sub>O/TFA = 10/90/0.08 , v/v/v

**Analyte:**  
 1. Saxagliptin 0.5 μ g/mL

Time (min)	A (vol %)	B (vol %)
0	0	100
20	20	80
40	100	0
45	100	0
46	0	100
55	0	100

Signal-to-noise ratio : 36.6 (≥ 10)

**Flow Rate** : 0.6 mL/min  
**Autosampler** : 5 °C  
**Col. Temp.** : 40 °C  
**Detection** : UV 215 nm (5430 DAD)  
**Injection Vol.** : 60 μ L  
**Sample** : Standard