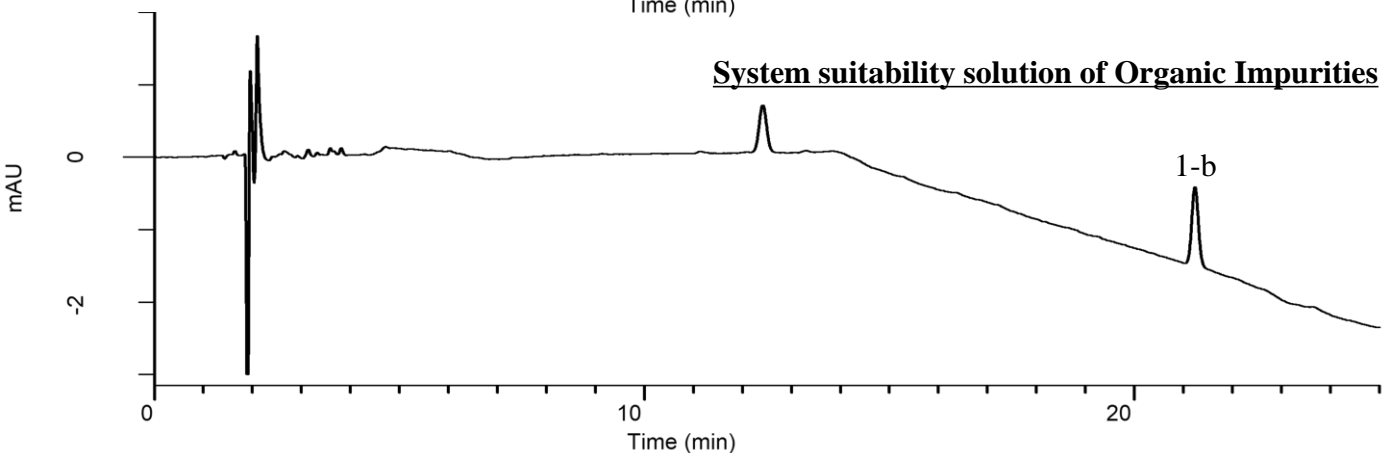
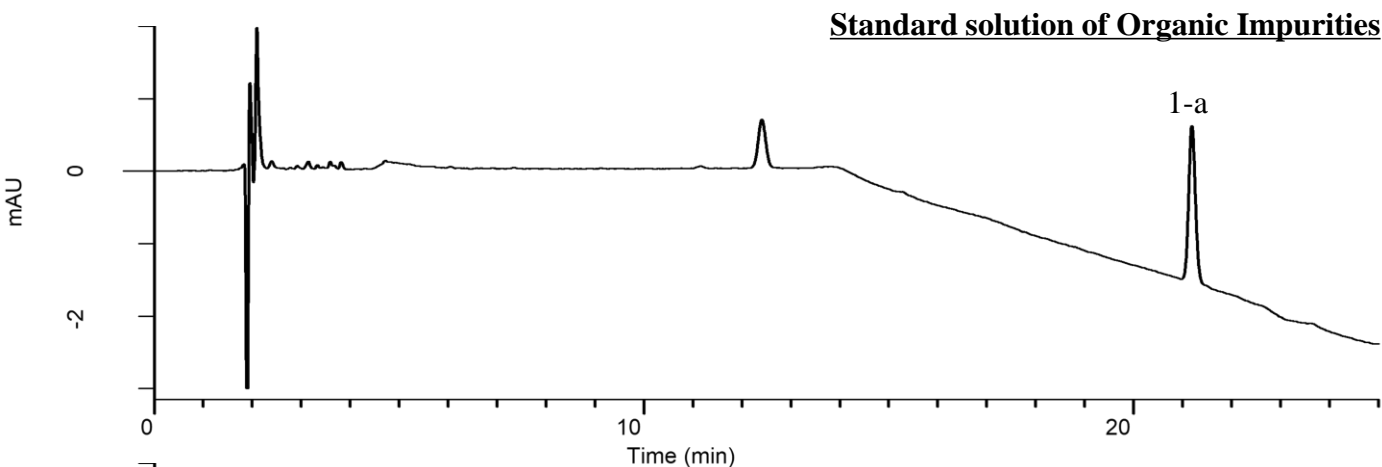


# Analysis of Cinacalcet Hydrochloride

(Under the Condition of draft for USP)



## Conditions

<b>System</b>	: GL7700 HPLC system	<b>Analyte:</b>	1. Cinacalcet
<b>Column</b>	: InertSustainSwift C18 (3 $\mu$ m HP, 250 x 4.6 mm I.D.)		0.2 mg/L (1-a) or 0.1 mg/L (1-b)
<b>Column Cat. No.</b>	: 5020-88226		
<b>Eluent</b>	: A) CH <sub>3</sub> CN		
	: B) CH <sub>3</sub> CN/Buffer* = 45/55, v/v		

Time(min)	A (vol%)	B (vol%)
0	0	100
10	0	100
20	30	70
25	40	60

RSD of the peak area of 1-a (%) (n=6)  
: 1.23 (< 5.0)

S/N for 1-b : 113 (>10)

<b>Flow rate</b>	: 1.3 mL/min
<b>Col. Temp.</b>	: 40 °C
<b>Detection</b>	: UV 210 nm (UV7750 UV Detector)
<b>Injection Vol.</b>	: 20 $\mu$ L
<b>Sample</b>	: Standard

\* 0.02 M monobasic potassium phosphate. Adjust with 2 N potassium hydroxide to a pH of 6.2.