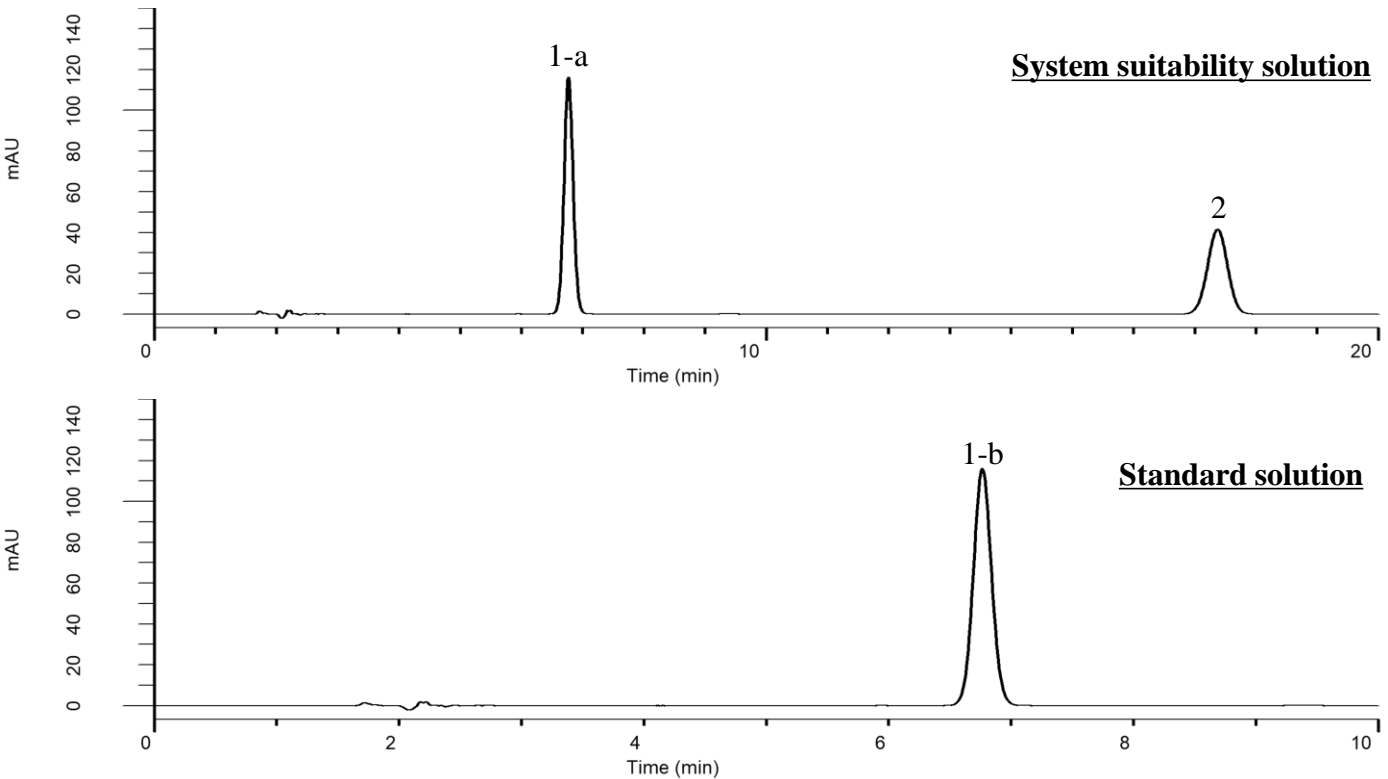


Analysis of Pioglitazone hydrochloride (Under the Condition of the draft for USP)



Conditions

System : GL7700 HPLC system
Column : InertSustain C18
 (5 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-07345
Eluent : A) CH₃CN
 B) 100 mM CH₃COONH₄ in H₂O
 C) CH₃COOH
 A/B/C = 25/25/1, v/v/v
Flow Rate : 0.7 mL/min
Col. Temp. : 25 °C
Detection : UV 269 nm (PD7752 PDA Detector)
Injection Vol. : 20 μ L
Sample : Standard

Analyte:

1. Pioglitazone hydrochloride 50 μ g/mL
 2. Benzophenone 13 μ g/mL

Tailing factor (1-a) : 1.03 (\leq 1.5)
 Tailing factor (2) : 1.00 (\leq 1.5)
 Resolution (1-a, 2) : 23.6 (\geq 15)
 RSD of the
 1-b area (%) (n=6) : 0.25 (\leq 2.0)