

Analysis of Pioglitazone hydrochloride

(Under the Condition of the Japanese Pharmacopoeia)

Required detectability

The Peak area ratio of 1-a to 1-c (%)
: $(7 \leq) 9.7 (\geq 13)$

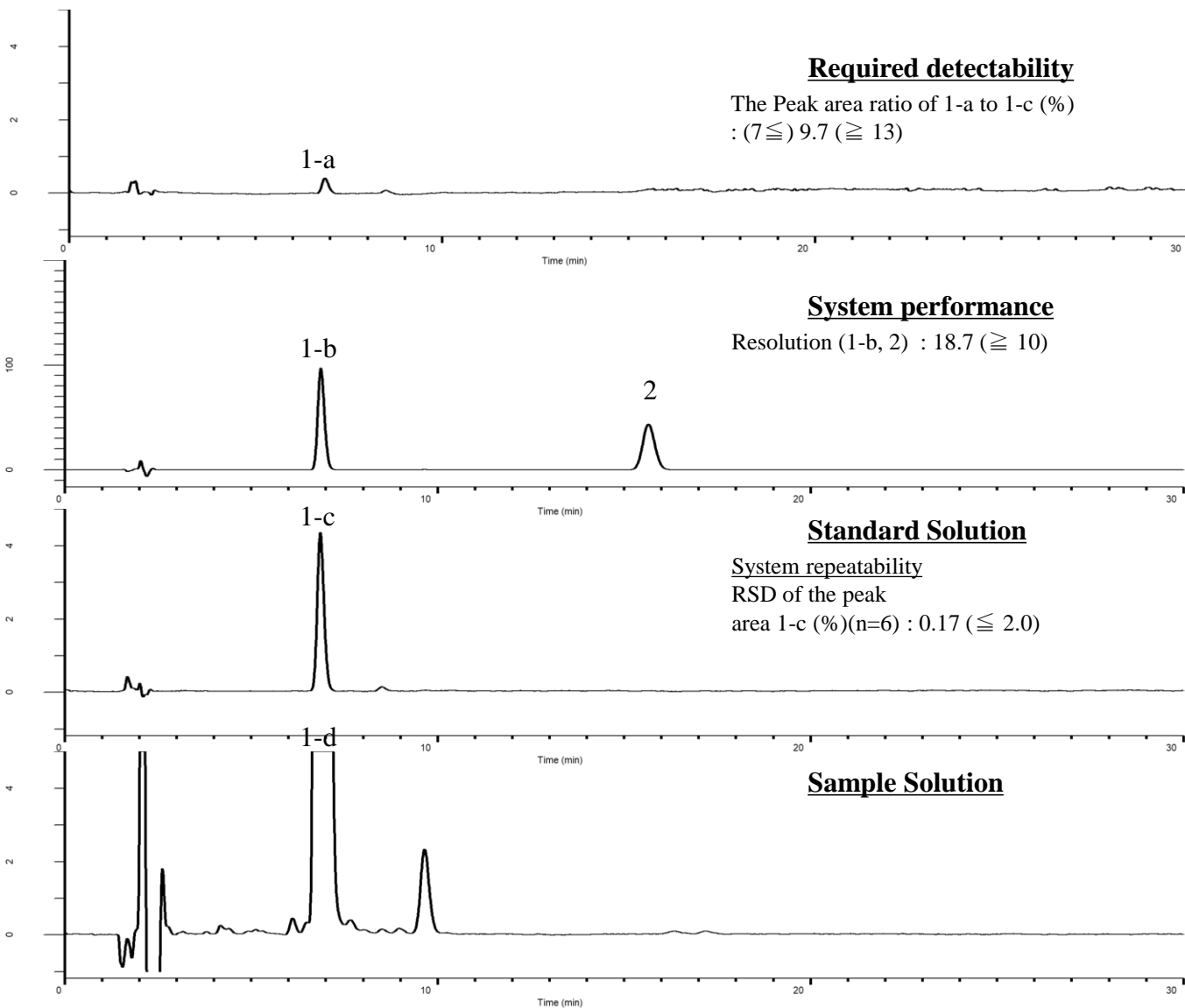
System performance

Resolution (1-b, 2) : $18.7 (\geq 10)$

Standard Solution

System repeatability
RSD of the peak
area 1-c (%) (n=6) : $0.17 (\leq 2.0)$

Sample Solution



Conditions

System : GL-7400 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
 C) CH₃COOH
 A/B/C = 25/25/1, v/v/v
Flow Rate : 0.75 mL/min
Col. Temp. : 25 °C
Detection : UV 269 nm (GL-7452 PDA Detector)
Injection Vol. : 40 μ L
Sample : Standard

Analyte:

1. Pioglitazone hydrochloride
 2. Benzophenone