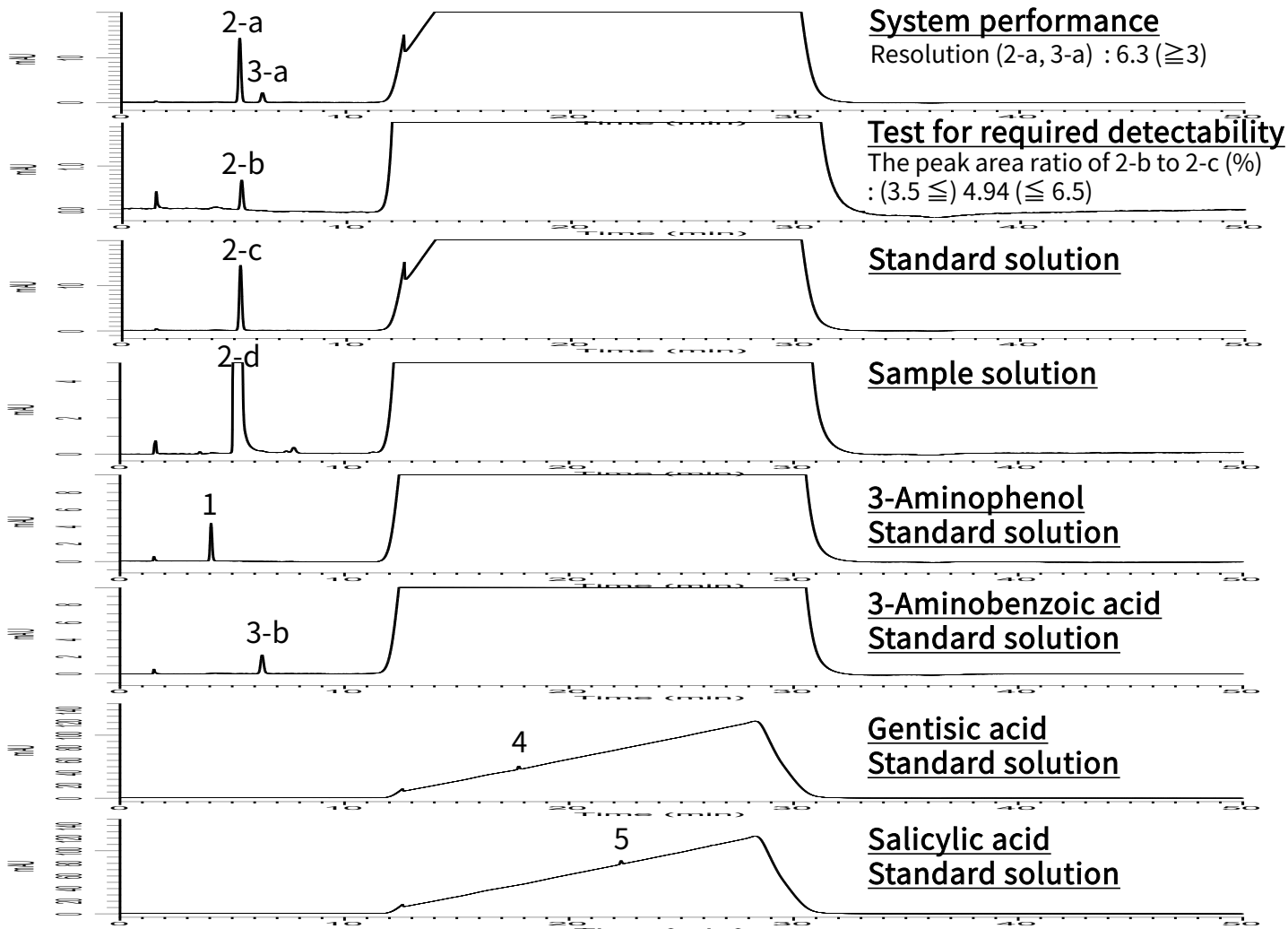


Analysis of Mesalazine

(Under the Condition of the draft for the Japanese Pharmacopoeia, (8) 3-Aminophenol, 3-Aminobenzoic acid, Gentisic acid, Salicylic acid, other related substances and total related substance)

Data No. LB448-0894



Conditions

System : GL7700 HPLC system
Column : InertSustain C8
(5 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-16028
Eluent : A) 1.7 g/L HClO₄ + 1.0 g/L H₃PO₄ in CH₃CN
B) 2.2 g/L HClO₄ + 1.0 g/L H₃PO₄ in H₂O

Analyte:

1. 3-Aminophenol 2 mg/L
2. Mesalazine
3. 3-Aminobenzoic acid
4. Gentisic acid 1 mg/L
5. Salicylic acid 3 mg/L

Time(min)	A (vol %)	B (vol %)
0.0	0	100
7.0	0	100
25.0	60	40
27.0	0	100
50.0	0	100

Pressure: 12 - 16 MPa

Flow Rate : 1.8 mL/min
Col. Temp. : 25 °C
Detection : UV 220 nm (PD7752 PDA Detector)
Injection Vol. : 10 μ L
Sample : Standard