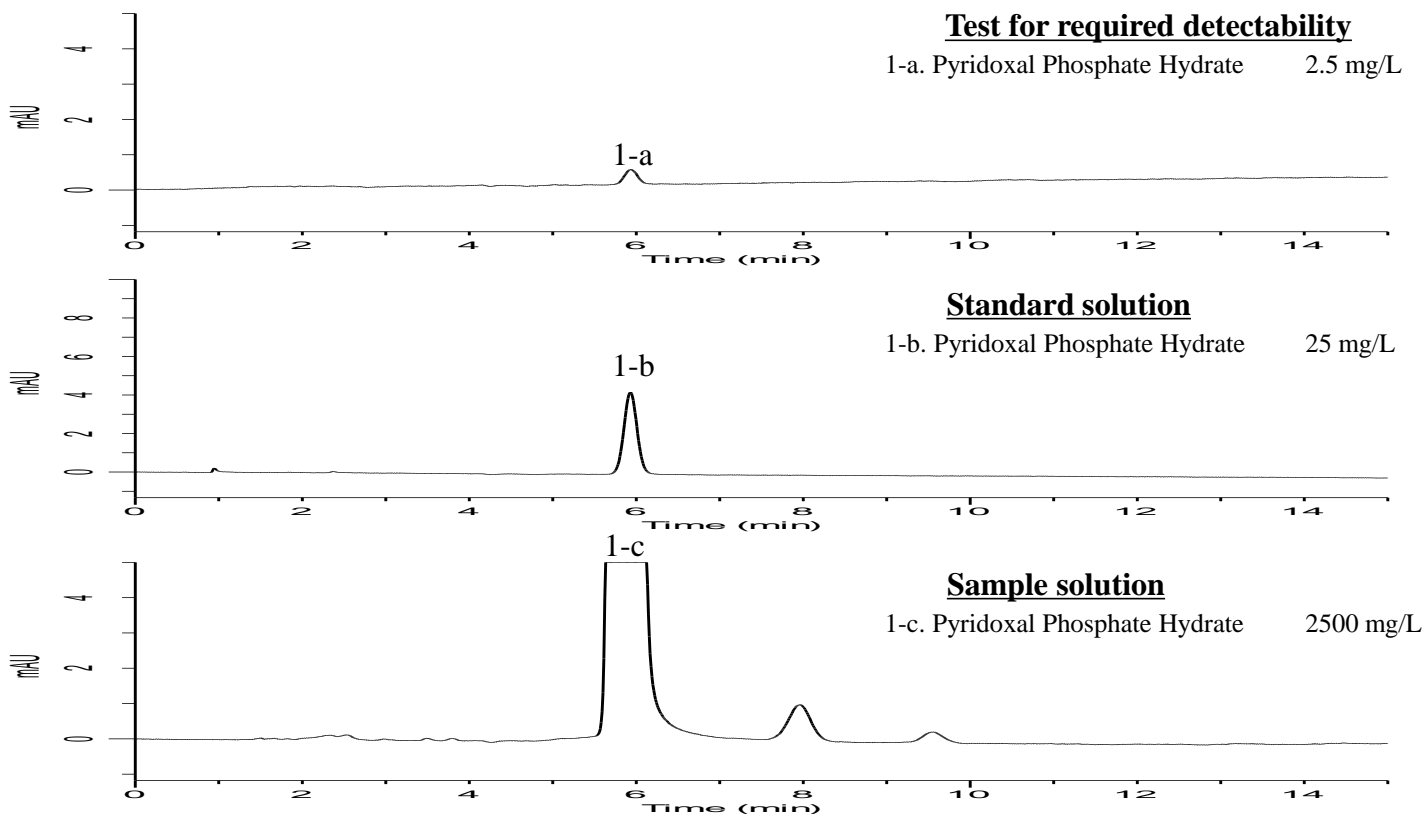


Analysis of Pyridoxal Phosphate Hydrate

(Under the Condition of the Japanese Pharmacopoeia, (4) Related substances)

Data No. LB485-0894



Conditions

System : GL7700 HPLC system
Column : InertSustain AQ-C18
 (5 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-89731
Eluent : Buffer*
Flow Rate : 1.70 mL/min
Col. Temp. : 30 °C
Detection : UV 254 nm (PD7752 PDA Detector)
Injection Vol. : 5 μ L
•Sample : Standard

Analyte:

1. Pyridoxal Phosphate Hydrate

The peak area ratio of 1-a to 1-b (%) : (7 \leq) 10.1 (\leq 13)
 Theoretical plate number (1-b) : 6,624 (\geq 3,000)
 Tailing factor (n = 6) : 1.02 (\leq 1.5)
 RSD of the 1-b area (%) (n = 6) : 0.24 (\leq 2.0)

Pressure: 13.7 MPa

*Dissolve 18.15 g of potassium dihydrogen phosphate and 28.38 g of anhydrous disodium hydrogenphosphate in water to make 5 L.