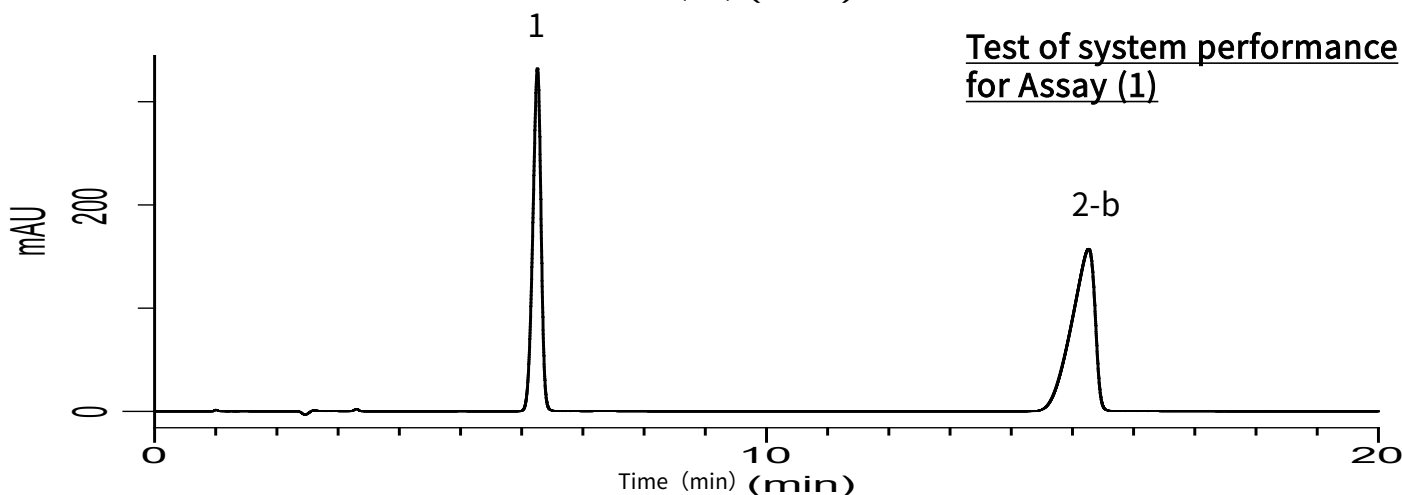
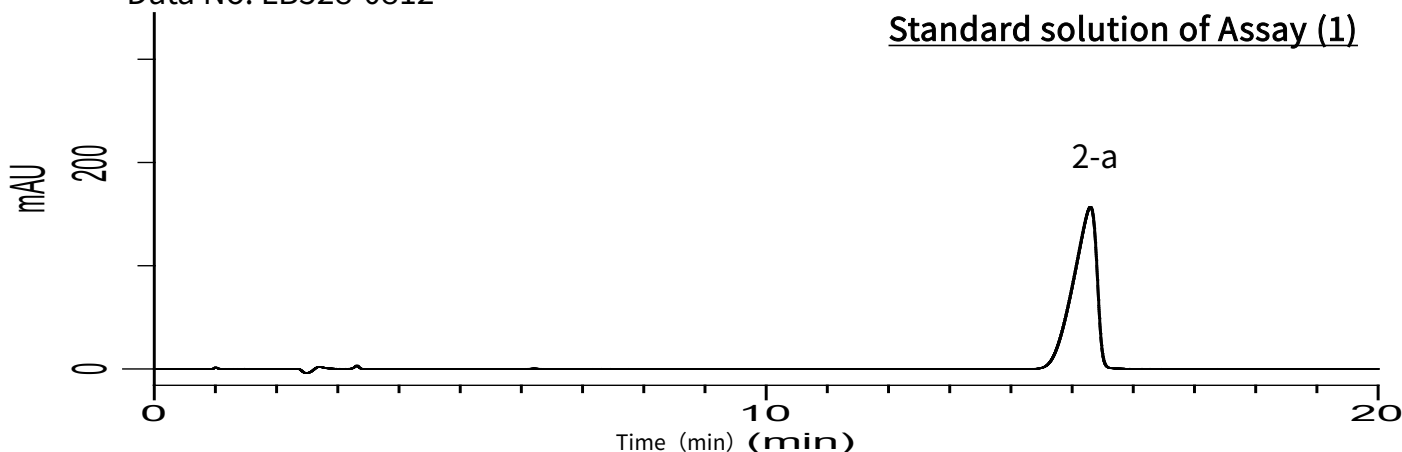


Analysis of Carnosine

(Under the Condition of the draft for the Japanese Pharmacopoeia,
Poraprezinc)

Data No. LB528-0812



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) 2.22 g/L IPCC-08 in Buffer*
 (IPCC-08: Sodium 1-Octanesulfonate)
 A/B = 90/10, v/v

Flow rate : 1.1 mL/min
 Col. Temp. : 45 °C
 Detection : UV 210 nm (UV7750 UV Detector)
 Injection Vol. : 10 μ L
 Sample : Standard

* Dissolve 1.4 g of KH₂PO₄ in 1000 mL of water, and adjust to pH 3.5 with 1% H₃PO₄.

Analyte:

1. Histidine	250 mg/L
2. Carnosine	200 mg/L

Resolution (1, 2-b) : 18.7 ($\geq$ 12)
 RSD of the peak
 area of 2-a (%) (n=6) : 0.09 ($\leq$ 1.0)