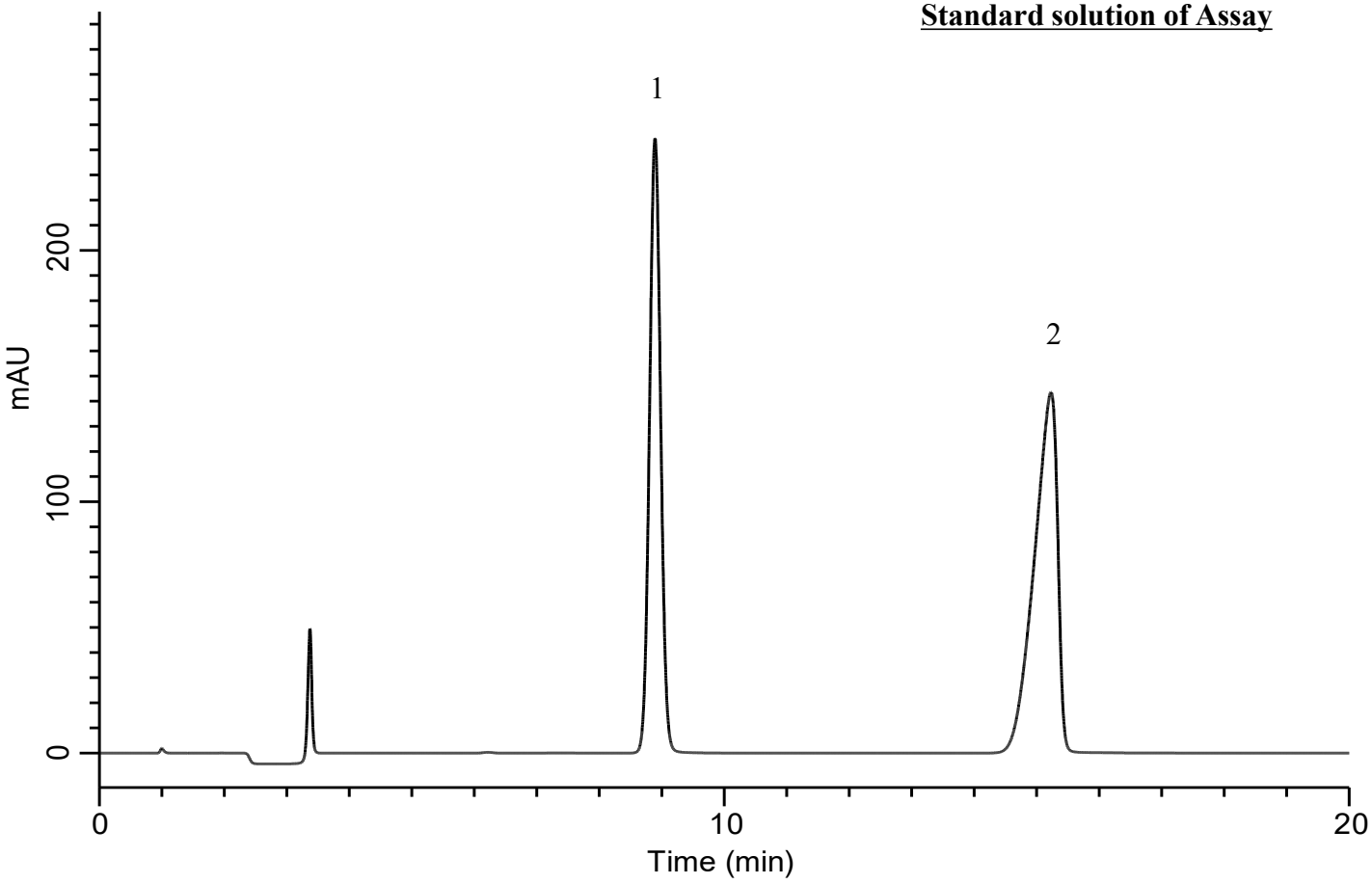
Analysis of Carnosine

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

Standard solution of Assay



Conditions

System	:	GL7700 HPLC system
Column	:	InertSustain C18 (5 μm, 150 x 4.6 mm I.D.)
Column Cat. No.	:	5020-07345
Eluent	:	A) CH_3CN B) 2.22 g/L IPCC-08 in Buffer* (IPCC-08: Sodium 1-Octanesulfonate) A/B = 10/90, v/v
Flow rate	:	1.1 mL/min
Col. Temp.	:	45 °C
Detection	:	UV 210 nm (UV7750 UV Detector)
Injection Vol.	:	5 μL
Sample	:	Standard

Analyte:

1. 4-Aminoacetophenone	250 mg/L
2. Carnosine	400 mg/L

Resolution (1, 2) : 12.4 (≧ 6)
RSD of the relative peak area of
2 to 1 (%)(n=6) : 0.37 (≦ 1.0)

* Disolve 1.4 g of KH_2PO_4 in 1000 mL of water, and adjust to pH 3.5 with 1% H_3PO_4.