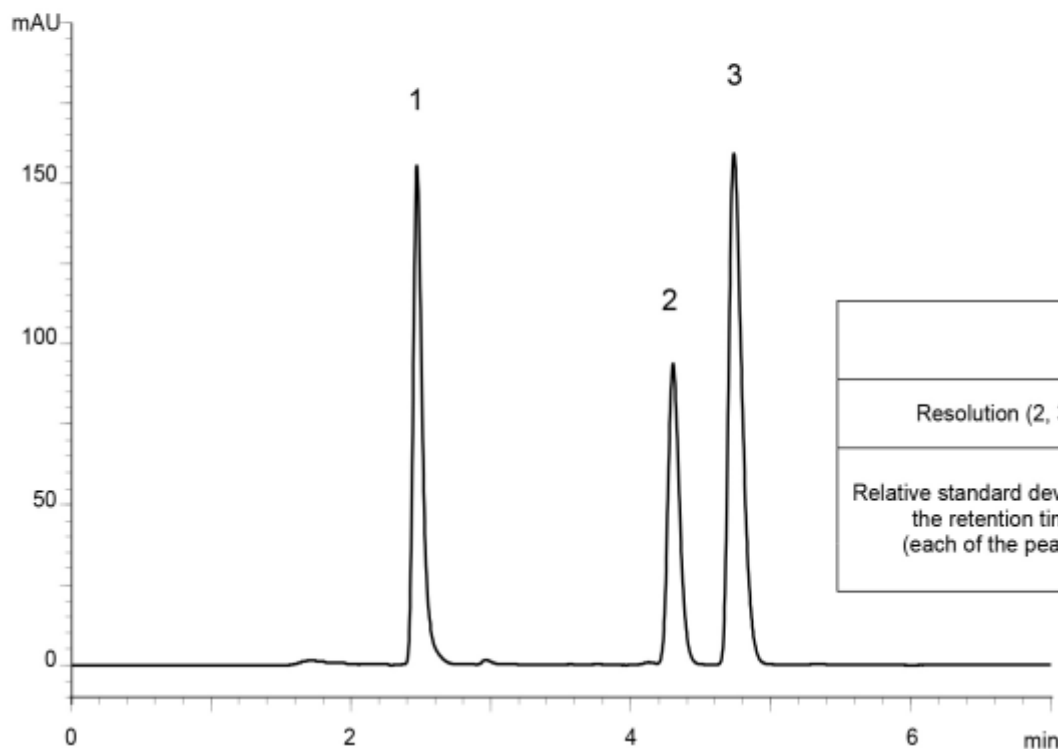


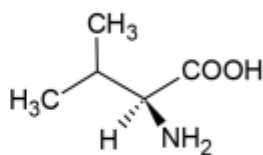
Standard solution\*<sup>1</sup>

(1.10 mg/mL L-Valine, 0.92 mg/mL L-Isoleucine, 1.84 mg/mL L-Leucine)



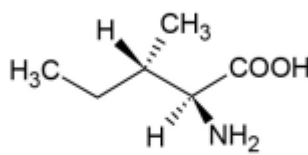
	System suitability requirement	result	
Resolution (2, 3)	$\geq 1.5$	2.68	
Relative standard deviation of the retention time (each of the peaks)	$\leq 1.0\%$	1	0.02%
		2	0.02%
		3	0.02%

1



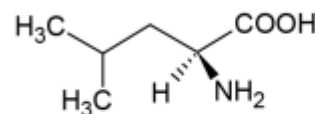
L-Valine

2



L-Isoleucine

3



L-Leucine

Column : YMC-Triart C18 (3  $\mu$ m, 12 nm)  
150 X 4.6 mm I.D.

Eluent : phosphate buffer (pH 2.8)\*<sup>2</sup>/acetonitrile (97/3)  
<sup>\*2</sup> Dissolve 31.2 g of NaH<sub>2</sub>PO<sub>4</sub>·2H<sub>2</sub>O in 1000 mL of water and adjust pH 2.8 with H<sub>3</sub>PO<sub>4</sub>

Flow rate : 0.9 mL/min (adjust the flow rate so that the retention time of L-Valine is about 2.5 min)

Temperature : 40°C

Detection : UV at 210 nm

Injection : 20  $\mu$ L

(The Japanese Pharmacopoeia 16th; Identification)

\*<sup>1</sup> Standard solution was prepared from L-Valine, L-Isoleucine and L-Leucine supplied as a reagent for laboratory use.