

- 1. ヘスペリジン (25 µg/mL) Hesperidin (M.W. 624.6) (syn. Vitamin P)
- 2. ピリドキシン (25  $\mu$ g/mL) Pyridoxine (M.W. 169.2) (syn. Vitamin B<sub>6</sub>)
- パントテン酸 (200 μg/mL)
  Pantothenic acid (M.W. 218.2)
- 4. シアノコバラミン (25 μg/mL) Cyanocobalamin (M.W. 1355.4) (syn. Vitamin B<sub>12</sub>)

## [HPLC Conditions]

Column : CAPCELL PAK NH<sub>2</sub> UG80 S5 ; 2.0 mm i.d. x 250 mm

Mobile phase :  $30 \text{ mmol/L KH}_2\text{PO}_4 / \text{CH}_3\text{CN} = 30 / 70$ 

 $\begin{array}{lll} \text{Flow rate} & : & 200 \; \mu\text{L/min} \\ \text{Temperature} & : & 40 \; ^{\circ}\text{C} \\ \text{Detection} & : & \text{UV 210 nm} \\ \end{array}$ 

Inj. vol. :  $2 \mu L$ 

Sample dissolved in : Hesperidin and cyanocobalamin were separately dissolved in the mobile phase at 250 µg/mL. Pyridoxine hydrochloride and sodium

pantothenate were separately dissolved in methanol at 250 and 2000 µg/mL, respectively. 100 µL of the four solution were mixed together. Methanol was added to the mixture to make it 1 mL.

 $\Re$  1  $\mu$ g/mL = 1 ppm