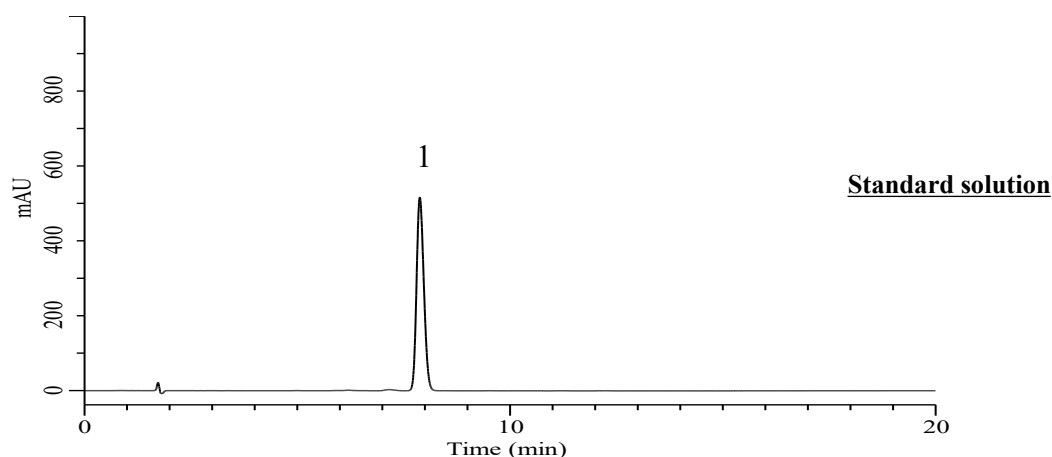
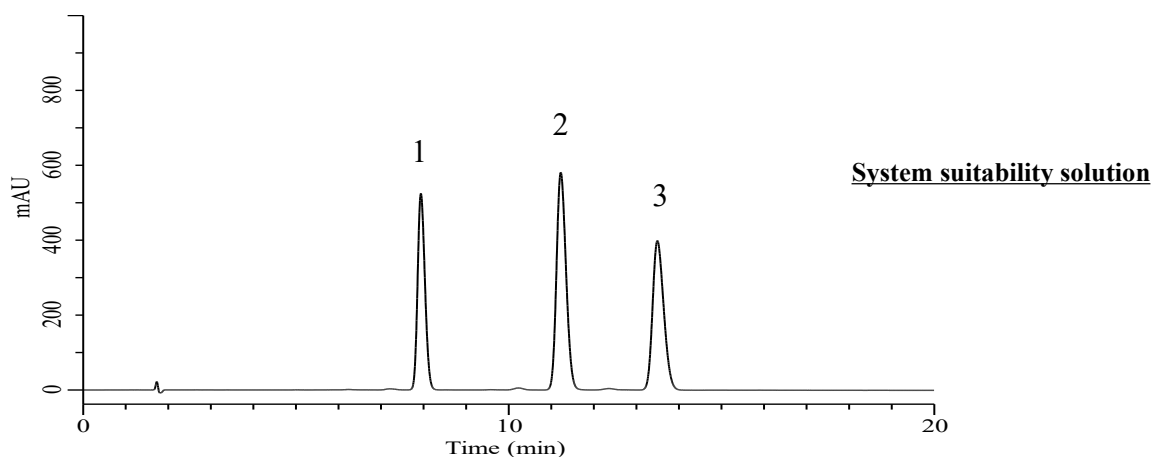


Analysis of Vitamin E

(Under the Condition of USP41-NF36, Oil- and Water-Soluble Vitamins Capsules_Vitamin E_Method 2)



Conditions

System : Chromaster PLUS (HITACHI)
Column : InertSustain C18 (GL Sciences Inc.)
 (5 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-07346
Eluent : Solution*
Flow Rate : 1.5 mL/min
Col. Temp. : 40 °C
Detection : UV 280 nm (Chromaster 5430 DAD)
Injection Vol. : 25 μ L
Sample : Standard in CH₃OH

Analyte:

1. α -tocopherol succinate	2 mg/mL
2. α -tocopherol	2 mg/mL
3. α -tocopherol acetate	2 mg/mL

Relative Retention time	
α -tocopherol succinate	: 0.58
α -tocopherol	: 0.83
α -tocopherol acetate	: 1.0

Resolution (1,2)	: 8.99 ($\geq$ 4.0)
Resolution (2,3)	: 5.07 ($\geq$ 3.0)

RSD of the peak area of 1 (%) (n=6)	: 0.30 ($\leq$ 3.0)
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* : Mix 240 mL of methanol with 10 mL of water, followed by 0.5 mL of 50% phosphoric acid, and dilute with acetonitrile to 1000 mL.