

SHINWA EXPRESS

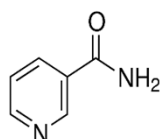
Application

2017
October

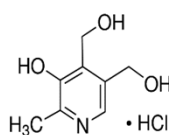
VOL. 117

Analysis of 6 water-soluble vitamins

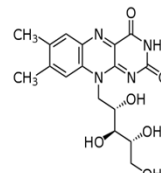
Shown below is a HILIC mode analysis of 6 water-soluble vitamins using the ULTRON AF-HILIC-CD columns.



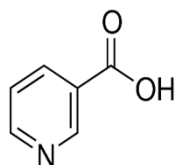
1. Nicotinamide



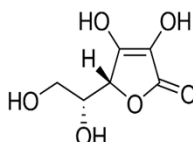
2. Pyridoxine hydrochloride
[Vitamin B6]



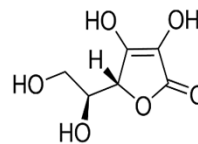
3. Riboflavin
[Vitamin B2]



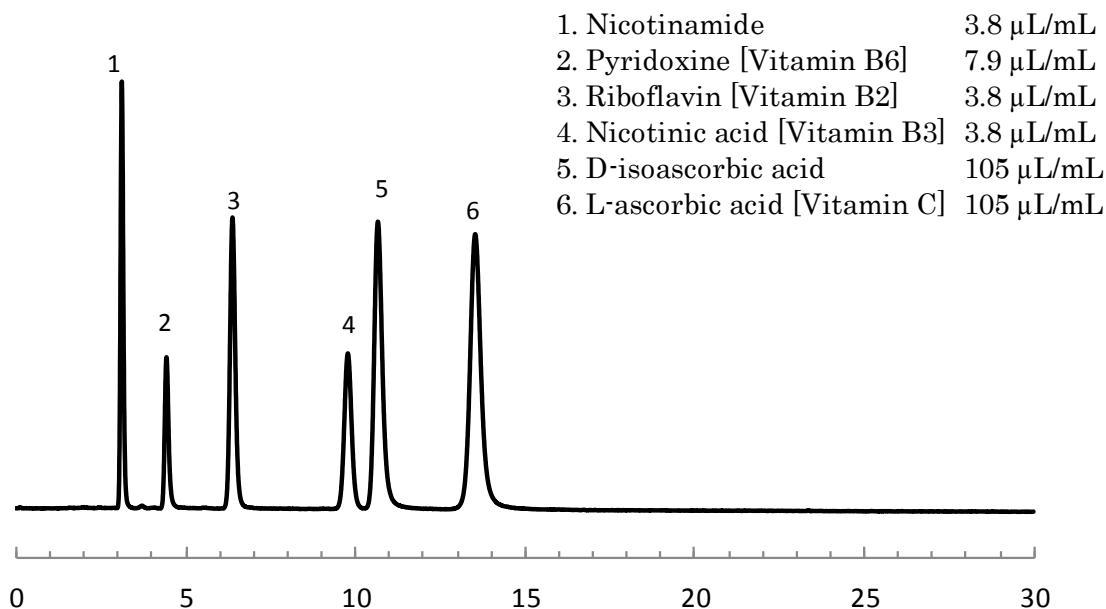
4. Nicotinic acid
[Vitamin B3]



5. D-isoascorbic acid



6. L-ascorbic acid
[Vitamin C]



Column: ULTRON AF-HILIC-CD (5 μm)
 Column size: 100 mm L x 4.6 mm I.D.
 Mobile phase: 100 mM $\text{CH}_3\text{COONH}_4/\text{CH}_3\text{CN} = 15/85$
 Flow rate: 0.67 mL/min

Column temp.: 30°C
 Detection: UV-254 nm
 Injection vol.: 3 μL



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■ Analytical column specifications ■

Product name	Particle size (μm)	Column dimensions Length × I.D. (mm)
ULTRON AF-HILIC-CD	5	100 × 2.0
		150 × 2.0
		100 × 4.6
		150 × 4.6
		250 × 4.6
ULTRON AF-HILIC-DA	5	100 × 2.0
		150 × 2.0
		100 × 4.6
		150 × 4.6
		250 × 4.6

※ Please do not hesitate to contact us for the other dimensions.



Please feel free to contact us with questions related to analyses. Column screening services are also available.

Please be aware that specifications and prices are subject to change without prior notification.