Vitamin B Testing

B Vitamins are a class of water soluble vitamins. They play an essential role in many important bodily functions that include energy production, cell health, blood cell production, brain function, and heart health. These vitamins are added to many different food and beverage products such as cereals and energy drinks. EMSL is able to analyze all fortified matrices for 7 different types of B Vitamins. **Note:** this analysis will not pick up natural forming b vitamin compounds. This analysis is only for matrices that have been fortified with B vitamins.

EMSL Analytical can accept food/beverage matrices for analysis and quantification of select B Vitamins. Samples can be sent to our Food Chemistry Division in Cinnaminson, New Jersey for analysis.

EMSL Test Code: Vitamin B F565
Method: Internally Developed Method
Certification: None, information only
Matrices: Food and Beverages

Reporting Limit: 0.002 – 0.010 mg/100g

Price:
2 Week – First B Vitamin is $277. Each additional is $75
1 Week – First B Vitamin is $416. Each Additional is $115
4 Day – First B Vitamin is $485. Each Additional is $131
3 Day – First B Vitamin is $554. Each Additional is $150

Target Sample Size: 50g
Sample Minimum: 10g
Sample Maximum: 500g

Shipping Requirements: Ship with same parameters as intended to be stored

Samples to be Sent to:
EMSL Analytical, Inc.
c/o Food Chemistry Division
200 Route 130 North
Cinnaminson NJ 08077

Analytes to be Identified and Quantified:
Thiamine (Vitamin B1)
Riboflavin (Vitamin B2)
Niacin (Vitamin B3)
Niacinamide (Vitamin B3)
Pantothenic Acid (Vitamin B5)
Pyridoxine (Vitamin B6)
Pyridoxal (Vitamin B6)
Biotin (Vitamin B7)
Folic Acid (Vitamin B9)

Due to the nature of B vitamins being used at varying concentrations in products, it is highly encouraged for the client to give an expected value to aide the laboratory in sample analysis.

Revision 1.2; 01/09/2026 – FINAL

Privileged Business Information/Property of EMSL Analytical, Inc.

© Copyright 2026 EMSL Analytical, Inc.