

## Technical Datasheet

Analysis Name:	Vitamins B1, B2, B6 & PP by UHPLC-MS/MS, Biotin by UHPLCMS/MS
Method Number:	LI-00.610
Scope Application:	Infant formula, healthcare products, nutritional bars, culinary products, cereals, cocoa beverages, and gummy-based vitamins.
Description:	The method consists of: Acid hydrolysis in hydrochloric acid (100°C, 35 min) pH adjustment (except for cocoa containing samples), filtration Addition of internal standard, dilution Analysis by UHPLC-MS/MS (using positive electrospray ionization) Quantification using peak area ratio "Vitamin/IS"
Sample Weight Required:	150g
Analytical Platform:	UPLC – LC/MS/MS
Special information:	Provide Certificate of Analysis (COA) or estimated levels for premixes – Biotin testing

Analyte Reported	Common name	Unit	Typical unit of quantification	Reproducibility
Vitamin B1	Thiamine base	mg/100 g	0.1	12%
Vitamin B2	Riboflavin	mg/100 g	0.1	20%
Vitamin B3	Niacin	mg/100 g	0.5	15%
Vitamin B6	Pyridoxine Base	mg/100 g	0.1	15%
Biotin	-	ug/100 g	6.4	15%