



NQAC

Nestlé Quality Assurance Center
Dublin

Technical Datasheet

Analysis Name: Vitamins A by normal phase high performance liquid chromatography.

Method Number: ISO 20633:2015 WI

Scope of Application: Infant and adult formulas (powders, ready-to-feed liquids and liquid concentrates).

Description: The sample preparation is identical to LI-00.608 WI for the determination of Vitamins A, D, E, K by UHPSFC-MS/MS, separation, and detection are achieved by normal phase high performance liquid chromatography with UV detector.

Results are reported as vitamin A (sum of palmitate and acetate). Retinol is not used for fortification purposes and therefore is not addressed in this method. The innate amount in products is insignificant.

Reported unit: Vitamin A as μg RAE/100 g

Sample Weight Required: 50 g

Analytical Platform: Normal Phase HPLC / UV detector

Analyte Reported	Alias	Unit of Measure	Limit of Quantification	Reproducibility
Vitamin A (sum of palmitate and acetate)		μg RAE/100 g	2 Liquids 20 Powders	<20%