



NQAC

Nestlé Quality Assurance Center  
Dublin

## Technical Datasheet

**Analysis Name:** Vitamin B<sub>12</sub> Determination in Vitamin Premixes by HPLC

**Method Number:** NQA-01.3229

**Scope of Application:** Vitamin premixes

**Description:** The Vitamin B<sub>12</sub> content of water-soluble vitamin premixes can be accurately determined by HPLC. Vitamin B<sub>12</sub> is separated from the other interfering vitamins by gradient elution with acetonitrile and phosphate buffer on a 15 cm Phenomenex Prodigy 5 $\mu$  ODS column. Detection is at 550 nm.

**Sample Weight Required:** 100 g

**Analytical Platform:** HPLC

**Special Information:** Certificate of Analysis or estimated levels must be provided for each sample. Method only determines cyanocobalamin. Form of vitamin must be disclosed in the specification.

Analyte Reported	Alias	Unit of Measure	Limit of Quantification	Reproducibility
Vitamin B12	cobalamin	$\mu$ g/g	1.0	10%