

Technical Datasheet

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| Analysis Name: | Vitamin B12 by HPLC |
| Method Number: | OM-AOAC 2014.02 |
| Scope Application: | Description of a method for the determination of Vitamin B12 by HPLC. |
| Description: | Vitamin B12 is extracted from the sample using sodium acetate buffer in the presence of sodium cyanide at 100°C for 30 min. Extracts are purified and concentrated with an immunoaffinity column. Vitamin B12 is determined by ultra-high-performance liquid chromatography with UV detection at 361 nm. |
| Sample Weight Required: | 100 g |
| Method Reference: | - |
| Analytical Platform: | HPLC |
| Special Information: | LOQ are dependent of matrix. Method in process for accreditation ABNT ISO 17025: 2017. |

| Analyte Reported | Alias | Unit of Measure | Typical Limit of Quantification | Uncertainty |
|------------------|-------|-----------------|---------------------------------|-------------|
| Vitamin B12 | - | µg/100g | 0.02 | < 25 % |