

Technical Datasheet

Analysis Name:	Determination of liposoluble vitamins A,E and D by HPLC
Method Number:	LIBR 017
Scope Application:	Description of a reference method for the determination of vitamin A (sum of all-trans and 13-cis retinol isomers) and vitamin E (alpha-tocopherol) by HPLC e vitamin D3.
Description:	Sample is saponificated with potassium hydroxide, extracted with SPE cartridge and eluted with hexane for vitamin A and E. Vitamin D3 analysis requires preparative chromatography and quantification by RP HPLC with UV detector.
Sample Weight Required:	120 g
Method Reference:	-
Analytical Platform:	HPLC
Special Information:	Method accredited ABNT ISO 17025: 2017.

Analyte Reported	Alias	Unit of Measure	Typical Limit of Quantification	Uncertainty
Vitamin A	-	µgRE/100g	10	< 10 %
Vitamin E	-	mg TE/100g	0.06	< 25 %
Vitamin D3	-	µg/100g	1.7	< 20 %