

## Technical Datasheet

Analysis Name:	Vitamin A & E
Method Number:	LI .681-04
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 in infant formula, cereals, and beverages
Description:	Alcoholic saponification with potassium hydroxide in the presence of antioxidants. Solid phase extraction using diatomaceous earth cartridge, elution with hexane. Evaporation of an aliquot to dryness. Dilution in n-hexane. Analysis by HPLC (Vitamin A uses UV detection whilst vitamin E uses FL detection)
Sample Weight Required:	100g
Method Reference:	-
Analytical Platform:	HPLC
Special information:	

Analyte Reported	Common name	Unit	Typical unit of quantification	uncertainty
Vitamin A	-	µgRE/100g	10	< 10 %
Vitamin E	-	mg TE/100g	0.06	< 25 %