

## Technical Datasheet

Analysis Name:	Inositol by Gas Chromatography
Method Number:	LI-00.684
Scope Application:	This method describes a GC method for determining total Inositol (bound and unbound) in infant formula, milk powders, health care products, soya-based and baby food products. (Phytic acid is not determined with this method.)
Description:	Bound inositol is released by hydrolysis of the food product with dilute Hydrochloric acid. Inositol is then derivatized to form its trimethylsilyl ether and analyzed by capillary column gas chromatography with flame ionization detection.
Sample Weight Required:	100g
Method Reference:	Tagliaferri, E G. et al., J. Chromatogr. A, 879 (2000) 129-135: Ion chromatographic determination of inositol in infant formulae and clinical products for enteral feeding
Analytical Platform:	Gas Chromatography

Analyte Reported	Common name	Unit	Typical unit of quantification	Reproducibility
Inositol	-	mg/100g	1 mg/100 g	25%