



NQAC

Nestlé Quality Assurance Center
Dublin

Technical Datasheet

Analysis Name: Free Tryptophan by HPLC

Method Number: LI-00.570

Scope of Application: Quantitative determination of free tryptophan in milk protein hydrolysates, clinical nutrition, infant formulas and infant cereals by reversed phase high performance liquid chromatography (RP-HPLC).

Description: Extraction of tryptophan with water and clarification of the extract if required. Analysis of tryptophan in the filtered extract by RP-HPLC with fluorescence detection. Quantitation by comparison with external standard.

Sample Weight Required: 25 g

Analytical Platform: High Performance Liquid Chromatography

Special Information: The determination of all other free amino acids, except for free tryptophan which is in this method, are described in LI-00.562.

Analyte Reported	Alias	Unit of Measure	Limit of Quantification	Reproducibility
Free L-Tryptophan		mg/100 g	1	19%