

Technical Datasheet

Analysis Name: Total Tryptophan by HPLC
Method Number: LI-00.589
Scope Application: Raw materials and food products.
Description: Alkaline hydrolysis of the sample under vacuum with addition of an internal standard. Sample is then neutralized and filtered, followed by analysis via reversed phase high performance liquid chromatography (RP-HPLC) with fluorescence detection.
Sample Weight Required: 100g
Method Reference: Nielsen, H.K., Hurrell, R.F. "Tryptophan determination of food proteins by HPLC after alkaline hydrolysis" J. Sci. Food Agric, 36, 893-907 (1985).
Analytical Platform: HPLC

Analyte Reported	Common name	Unit	Typical unit of quantification	uncertainty
Tryptophan		g/100g	0.01	20%