

Technical Datasheet

Analysis Name:	Ethylene Thiourea and Propylene Thiourea by HPLC
Method Number:	LIBR 059
Scope Application:	This instruction describes a method for determination of ETU and PTU in apples, pears and fruit purees.
Description:	Extraction with a mixture of water-methanol in presence of cysteine hydrochloride and concentration of extract. Clean up and combined Extrelut-Al ₂ O ₃ by using methylene chloride as eluent. Final detection by UV by using HPLC on reverse phase.
Sample Weight Required:	100 g
Method Reference:	-
Analytical Platform:	HPLC
Special Information:	Method not accredited.

Analyte Reported	Alias	Unit of Measure	Typical Limit of Quantification	Uncertainty
Ethylene Thiourea	ETU	µg/kg	10	< 38 %
Propylene Thiourea	PTU	µg/kg	10	< 38 %