

Technical Datasheet

Analysis Name:	Determination of Caffeine by HPLC
Method Number:	LI-20.020-2
Scope Application:	Description of a method for the quantitative determination of caffeine in regular and decaffeinated products by HPLC-UV).
Principle of the method:	Caffeine is extracted with boiling water at 100 °C, and then samples are diluted depending on matrix concentration (regular or decaffeinated). Preparation is then filtered, and caffeine is separated from other components on a reversed-phase HPLC column. Caffeine is quantified by UV detection (274 nm), by comparison with an external standard.
Sample Weight Required:	20g
Method Reference:	-
Analytical Platform:	HPLC

Analyte Reported	Common name	Unit	Typical unit of quantification	uncertainty
Caffeine	-	g/100g	0.3	< 10 %