



NQAC

Nestlé Quality Assurance Center
Dublin

Technical Datasheet

Analysis Name: Polyphenol Profile of Juice Concentrates and Purees by HPLC

Method Number: NQA-06.8300

Scope of Application: This method applies to the detection and separation of the major polyphenols in juice concentrate or puree and comparing with library samples of known origin and authenticity.

Description: A dilute solution of juice/puree is injected, separation of polyphenols by a reverse phase HPLC using phosphate/acetonitrile eluent and detection by UV.

Sample Weight Required: 50 g

Analytical Platform: High Performance Liquid Chromatography

Special Information: Juice and honey (HMF_ONLY)

Analyte Reported	Unit of Measure	Limit of Quantification	Reproducibility
Arbutin	mg/100 g	6	15%
HMF	mg/kg	9	15%
Naringin	mg/100 g	1	15%
Hesperidin	mg/100 g	1	15%
Neohesperidin	mg/100 g	1	15%
Phloridzin	mg/100 g	1	15%