



NQAC

Nestlé Quality Assurance Center  
Dublin

## Technical Datasheet

**Analysis Name:** Major Organic Acids in Fruit Juices and Purees

**Method Number:** NQA-06.8100

**Scope of Application:** This procedure is applicable to the determination of major organic acids in fruit juice concentrates and fruit purees.

**Description:** Extraction of the organic acids with water. Separation is achieved by reverse phase HPLC with detection by UV absorbance. Quantitation is by comparison with external standards.

**Sample Weight Required:** 50 g

**Method Reference:** Coppola, E and Starr, S. Liquid Chromatographic Determination of Major Organic Acids in Apple Juice and Cranberry Juice Cocktail: collaborative study. J. Assoc. Off. Anal. Chem., Vol. 69, No. 4, 1986.

**Analytical Platform:** HPLC

Analyte Reported	Alias	Unit of Measure	Limit of Quantification	Reproducibility
Fumaric Acid		mg/100 g	1	15%
Total Malic Acid		mg/100 g	1	15%
Quinic Acid		mg/100 g	4	15%
Tartaric Acid		mg/100 g	1	15%