



NQAC

Nestlé Quality Assurance Center  
Dublin

# Technical Datasheet

**Analysis Name:** Total Polyphenols in Tea and Coffee Products

**Method Number:** NQA-52.0001

**Scope of Application:** Analysis of Total Polyphenols in instant tea powders and tea solutions.

**Description:** A tea product is prepared as necessary. It is then allowed to react with Folin-Ciocalteu's phenol reagent and sodium carbonate which produces the color to be analyzed. This can then be analyzed by reading on a spectrophotometer at 725 nm and calculated using a standard curve.

**Sample Weight Required:** 50 g

**Analytical Platform:** UV-Spectrophotometer

**Special Information:** Tea, coffee

Analyte Reported	Unit of Measure	Limit of Quantification	Reproducibility
Flavonoids	g/100 g	0.005	15%