

## Technical Datasheet

**Analysis Name:** Determination of Vitamin C by Potentiometry  
**Method Number:** LI-00.677-2  
**Scope Application:** Description of a method for the quantitative determination of vitamin C (ascorbic acid) in foods by potentiometry. The method allows the determination of ascorbic and isoascorbic (erythorbic acid) but not dehydroascorbic acid.  
**Description:** Extraction of vitamin C in acidic conditions to avoid autoxidation of ascorbic acid in presence of metal ion scavenger (metaphosphoric acid). Stoichiometric reduction of the dye 2,6- dichlorophenolindophenol (DCPIP), a mild oxidizing agent, from its purplish-blue (oxidized) form into its colorless (reduced) form by ascorbic (and isoascorbic) acid  
**Sample Weight Required:** 100g  
**Method Reference:** -  
**Analytical Platform:** Potentiometry  
**Special information:**

Analyte Reported	Common name	Unit	Typical unit of quantification	Reproducibility
Vitamin C	Ascorbic Acid	mg/100g	5.0	<12 %