



The Key Ingredient for Quality Metrohm Food Analyzers

Vitamin C Analyzer

Vitamin C is an important antioxidant often added to food and beverage products to enhance quality and stability properties. The Metrohm Vitamin C Analyzer can assist with sample preparation and uses a sensor that is unaffected by the sample matrix. With simple, single touch operation minimal user training is required to execute this AOAC approved method.

Order Number: 29160010

Included in the package are titrator with propeller stirrer, 800 Dosino and a 20 mL dosing unit. Requires Double Pt-sheet electrode 60309100 and electrode cable 62104020.

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 **Metrohm**

Recipe for Vitamin C Analysis in Juice

Ingredients

916 Vitamin C Analyzer..... 29160010
Double Pt-sheet electrode 60309100
0.05 mol/L Iodine LAB-TI92950, 6x1L bottles

Directions

Prepare sample by measuring 10 mL of sample into beaker and adding enough DI water to cover the electrode. Using the settings below, the sample is titrated with Iodine.

Settings

Mode..... MET Ipol
Vol. increment 0.1 mL
Signal drift 50 mV/min
Max. waiting time..... 26 s
I(pol)..... 1 μ A
EP criterion 30 mV
EP recognition..... greatest

Typical Yield

Mean (n = 3)	Standard Deviation
318.97 (mg/L)	0.96%