



NQAC

Nestlé Quality Assurance Center
Dublin

Technical Datasheet

Analysis Name: Rapid Total Dietary Fiber (CODEX Definition)

Method Number: AOAC 2017.16

Scope of Application: Applicable to plant materials, foods, food ingredients and raw materials consistent with the CODEX Fiber Definition including naturally occurring, isolated, modified, and synthetic polymers meeting the fiber definition. Plant materials include grains, cereals, fruits and vegetables. Not applicable to oily samples.

Description: Enzymatic-gravimetric-liquid chromatographic method for the quantitative determination of Dietary Fibers. This method is similar in principle and procedure to AOAC 2009.01. The AOAC 2017.16 method differs in that it has a shortened digestion time and increased concentration for enzymes amylase/amg. This new process in digestion more closely resembles the human digestion process.

Sample Weight Required: 100 g

Analytical Platform: Ankom Automated Dietary Fiber Analyzer - HPLC

Special Information: Total Dietary Fiber is the reported analyte. Fiber – Gravimetric Portion and Soluble Fiber – HPLC Portion are provided for informational purposes.

Analyte Reported	Alias	Unit of Measure	Limit of Quantification	Reproducibility
Fiber – Gravimetric Portion		g/100 g	0.5	≤ 20%
Soluble Fiber – HPLC Portion		g/100 g	0.1	≤ 30%
Total Dietary Fiber		g/100 g	0.5	≤ 15%