



NQAC

Nestlé Quality Assurance Center
Dublin

Technical Datasheet

Analysis Name: Patulin by LC-MS/MS

Method Number: LI-00.219

Scope of Application: Juice based on pear and apple concentrate (juice), puree based on pear and apple (puree), infant cereals based on pear and apple (infant cereals), pear concentrate, raw apples, apple flakes, dried apples, yogurt containing apple and pear, puree finished products, milk powder & liquid milk, food additives and fruit jam.

Description: QuEChERS based method for the extraction and quantitation of the mycotoxin patulin.

Sample Weight Required: 50 g

Method Reference: AOAC Official Method 2007.01 – Pesticides Residues in foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate.

EN 15662, Foods of Plant Origin – Determination of Pesticide Residues Using GC-MS and/or LC-MS/MS Following Acetonitrile Extraction/Partitioning and Clean-up by Dispersive SPE – QuEChERS method.

CEN/TR 16059:2010: Food analysis — Performance criteria for single laboratory validated methods of analysis for the determination of mycotoxins.

Analytical Platform: LC-MS/MS

Analyte Reported	Alias	Unit of Measure	Limit of Quantification	Reproducibility
Patulin		ppb (µg/kg)	5	30%