



NQAC

Nestlé Quality Assurance Center
Dublin

Technical Datasheet

Analysis Name: Chlorate and Perchlorate by LC-MS/MS

Method Number: LI-00.043

Scope of Application: This method was verified in apple, pear, zucchini, and pea puree (high water content), honey (high sugar, low water content), canola oil (high oil content), rice cereal (high starch, low water content), cocoa powder (difficult or unique commodities), milk-based powder infant formula (milk and milk products), eggs, orange flakes (high acid content), and gummy-based vitamins

Description: An in-house method for the quantitative determination of chlorate and perchlorate in food by liquid-chromatography tandem mass-spectrometry (LC-MS/MS)

Sample Weight Required: 100 g

Analytical Platform: LC-MS/MS

Analyte Reported	Alias	Unit of Measure	Limit of Quantification	Reproducibility
Chlorate		mg/kg	0.010 mg/kg	< 55%
Perchlorate		mg/kg	0.010 mg/kg	< 30%