NQAC
Nestlé Quality Assurance Center
Dublin

Technical Datasheet

Analysis Name: Analysis of Residues of Polar Pesticides in Foods of Plant Origin by LC-MS/MS (QuPPe-Method)

Method Number: NQA-54.0006

Scope of Application: Foods of plant origin such as fruits (including dried fruits), vegetables, cereals, coffee, tea, herbs, spices, mushrooms, wine, honey and processed products thereof.

Description: The quick polar pesticides (QuPPe) method is for the quantitative residue analysis of very polar, non-QuEChERS-amenable pesticides (chlormequat, cyromazine, daminozide, diquat, mepiquat, nereistoxin and paraquat) in foods of plant origin such as fruits (including dried fruits), vegetables, cereals, coffee, tea, herbs, spices, mushrooms, wine, honey and processed products thereof. The test portion extracts are analyzed by electrospray ionization LC-MS/MS with limits of quantitation of 0.01 mg/kg.
This method uses a contaminant confirmation process to confirm any detections above the Code of Federal Regulation limits. A retest will be automatically initiated for any such detections and a new due date will be communicated.

Sample Weight Required: 50 g

Method Reference: EU Reference Laboratories for Residues of Pesticides, Quick Method for the Analysis of Residues of Highly Polar Pesticides in Foods of Plant Origin Involving Simultaneous Extraction with Methanol and LC-MS-MS Determination (QuPPe-Method). Version 6 (August 2011) M.Anastassiades; D.I. Kolberg; D. Mack; I.Sigalova; D Roux; D. Fügel

Analytical Platform: LC-MS-MS

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Analyte Reported	Alias	Unit of Measure	Limit of Quantification	Reproducibility
Chlormequat		mg/kg	0.01	30%
Cyromazine		mg/kg	0.01	30%
Daminozide		mg/kg	0.01	30%
Diquat		mg/kg	0.01	30%
Mepiquat		mg/kg	0.01	30%
Nereistoxin		mg/kg	0.01	30%
Paraquat		mg/kg	0.01	30%

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