

Process:
Product Group:
Product Family:

WET-MILLING / EXTRACTION
ANALYTIC
POLYTRON®



KINEMATICA
Homogenizing perfected.

LIFE SCIENCE



Efficient Pesticide Residue Analysis: Homogenization solutions by Kinematica's POLYTRON®



THE APPLICATION SCOPE / PURPOSE

Pesticide residues on fruits, vegetables, and other food items can pose health risks and therefore the accuracy of analysis is highly relevant. The control of pesticides in food items ensures not only customer safety but also regulatory compliance since governments and regulatory entities have set maximum residue limits (MRLs) for pesticides in food. More than that, the scope of this analysis goes beyond quality control and regulatory compliance and has an impact also in the development of safer and more effective agricultural practices, international trade (export and import of food items) and environmental impact assessment. It has become standard practice, as it is done, for example, for nuts, sultanas or figs. To be able to make a representative analysis, a sufficiently large sample must be taken and efficiently homogenised. The variety of consistency of the possible samples, whether hard, rubbery, soft, gel-like or even fibrous, makes standardized sample preparation difficult. Kinematica offers solutions for this quality analysis for different sample sizes and for every sample consistency.

Get full access to the Application Note by clicking this link:

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Kinematica AG

Werkstrasse 7 c-d / CH-6102 Malters / Switzerland
Phone +41 41 259 65 65 / Fax +41 41 259 65 75
info@kinematica.ch / kinematica.ch

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