

#### RELEASE

### Thermo Scientific iCAP RQ ICP-MS

Simplicity, productivity and robustness for routine labs in agribusiness



This innovative single quadrupole (SQ) ICP-MS is the ideal trace elemental analyzer for a wide range of several agricultural samples.

The Thermo Scientific™ iCAP™ RQ ICP-MS is particularly suited to the analysis of food, simultaneously determining trace level contaminants and macro level nutrients. This system provides a simple, robust, multielemental analysis method for major and minor concentrations of elements in food.

The simultaneously determination of all elements of interest in a wide range of food samples can be done

efficiently and quickly by the Thermo Scientific™ iCAP™ RQ ICP-MS.

#### Simplicity guarantees user-friendly operation

- Quick connect sample introduction system
- · Easy access cones via bench-height drop-down door
- Open geometry architecture for easy peripheral connection
- Intuitive platform software for seamless workflows

#### Productivity delivers more analysis in less time

- · Less training for software and hardware
- Compatibility with automation and sample handling systems
- Comprehensive interference removal in single measurement mode
- Reduced drift and operator intervention

#### Robustness ensures high up-time and low maintenance

- Improved matrix tolerance interface
- All new state-of-the-art electronics
- New sturdy design RF generator
- Reliable hot and cold plasma operation

Comprehensive interference removal assures data accuracy, while our innovative helium Kinetic Energy Discrimination (He KED) technology enables measurement of all analytes in a single mode.

Our highly effective QCell collision/reaction cell, combined with unique flatapole design reduces BECs even further than He KED alone, through the clever, dynamic application of low mass cut off (LMCO).

Intuitive Thermo Scientific™ Qtegra™ Intelligent Scientific Data Solution™ (ISDS) software delivers all the support features essential to any lab, while containing all the flexibility needed to achieve the most challenging applications.

Find out more at iCAP RQplus ICP-MS



# Complete trace elemental analysis

Innovation inspired by real laboratory needs lies at the core of our trace elemental analysis instruments. The iCAP RQ ICP-MS part of the new Thermo Scientific  $^{\text{TM}}$  iCAP  $^{\text{TM}}$  Qnova  $^{\text{TM}}$  Series ICP-MS, delivers the accuracy, robustness and ease of use essential to every high-throughput lab. Driven by our user-friendly Qtegra  $^{\text{TM}}$  Intelligent Scientific Data Solution  $^{\text{TM}}$  (ISDS) software, this powerful new system is ideal for labs up-grading to ICP-MS for the first time. The new Element Finder  $^{\text{TM}}$  plug-in for Qtegra ISDS software, automates wavelength selection, simplifying method development for interference free analysis with the iCAP 7000 Plus Series ICP-OES.

## maximum productivity

**VIDEO** 

WEBSITE

powerful solutions at thermofisher.com/TEA



Thermo Scientific<sup>™</sup> iCE<sup>™</sup> 3000 Series AAS



Thermo Scientific<sup>™</sup> iCAP<sup>™</sup> 7000 Plus Series ICP-OES



Thermo Scientific<sup>™</sup> iCAP<sup>™</sup> RQ ICP-MS



Thermo Scientific™ ELEMENT 2™ & XR™ HR-ICP-MS ELEMENT GD™ PLUS GD-MS

