# Agilent ICP-MS
# Cannabis Analyzer

Effortless analysis. Sensational results

# Everything You Need to Get Cannabis Capabilities Fast

Cannabis analysis is easier than ever with the Agilent ICP-MS Cannabis Analyzer[1]. The Cannabis Analyzer is an integrated package of hardware, software, consumables, professional services and documentation. Be running as quickly as possible, with minimum effort with the Agilent ICP-MS Cannabis Analyzer.
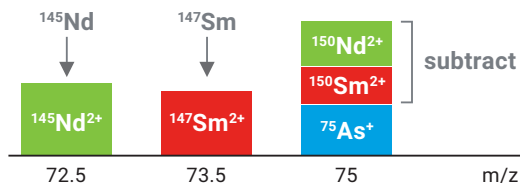
## Rapid setup, minimal effort

The steps a lab needs to take to develop and optimize a new method, verify its performance, and obtain regulatory approval can take weeks or even months. The Agilent ICP-MS Cannabis Analyzer dramatically shortens that time, meaning your lab can be ready to run samples as quickly as possible.

The Cannabis Analyzer includes a method optimized by ICP-MS experts, incorporating all the analytical, QC, and reporting requirements. A Standard Operating Method (SOM) is also provided, which we'll help you customize to meet your lab's workflow and analytical needs. Using a formal, documented process, an Agilent expert will set up your ICP-MS instrument using agreed performance criteria, implement the proven method in your lab, and train your analysts on site.

## Proven Agilent ICP-MS performance

The Cannabis Analyzer is based on our market-leading 7850 ICP-MS instrument. The 7850 includes uHMI to easily handle varied samples, while the helium collision cell ensures accuracy by controlling common polyatomic interferences. Its wide 10 orders linear dynamic range reduces method setup time by allowing the measurement of major and trace analytes in a single run. The wide dynamic range also means fewer reruns due to overrange results. For labs with very high sample numbers, throughput and productivity can be increased dramatically by using the optional ISIS 3 discrete sampling device.

Unique to Agilent ICP-MS is a feature that can perform real-time correction of a type of interference called "doubly charged ions". These interferences can form on important elements such as arsenic and can give higher than true results. They also typically vary from sample-to-sample meaning a dynamic correction is essential. Agilent's unique "Half-mass Correction" works by measuring the interference level and, if needed, automatically correcting the data.



Automatic doubly charged interference correction using half-mass mode removes doubt from the analysis

### The Agilent ICP-MS Cannabis Analyzer includes:

- Our powerful 7850 ICP-MS
- An Agilent SPS 4 autosampler
- An option to add an Integrated Sample Introduction System for increased productivity in high-throughput labs
- A method optimized by ICP-MS experts
- 3 days of professional services to setup the instrument, transfer the proven method and train your operators
- The simple ICP Go software interface[2]
- The fully-featured ICP-MS MassHunter software for method modification or troubleshooting
- A consumables starter kit for cannabis analysis, including standards, peristaltic pump tubing and autosampler tubes so you can start your analytical workflow immediately
- A suite of documentation

## Software anyone can use

The Agilent ICP Go$^2$ software, supplied with the Cannabis Analyzer, is a simple, browser-based interface used to setup and control ICP-MS analysis.
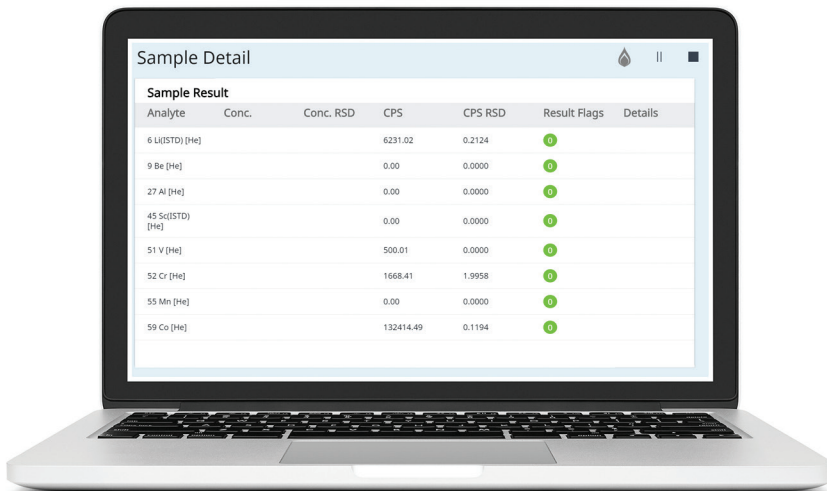
ICP Go:

– Uses a simplified view of the ICP-MS analysis window, so even your least experienced analyst can easily run an analysis.

– Limits access to method editing functions, preventing accidental changes that could cause errors or rework.

– Is so easy to learn that your operators will be able to run samples after less than a day of training. This reduces your training costs and allows easy cross-training of analysts, giving you more staffing flexibility in your lab.

With any of your analysts able to run the Agilent ICP-MS Cannabis Analyzer, your senior analysts can focus on tasks that contribute to lab efficiency, such as sample prep optimization, method transfer, and resource utilization.

## Go anywhere

Being browser-based, ICP Go also allows an analyst to control and monitor the sample run from anywhere across a local area network. The interface even allows analysts or lab managers to monitor multiple instruments in separate tabs of the same browser.



### Sample Detail

#### Sample Result

| Analyte | Conc. | Conc. RSD | CPS | CPS RSD | Result Flags | Details |
|---|---|---|---|---|---|---|
| 6 Li(ISTD) [He] | | | 6231.02 | 0.2124 | 0 | |
| 9 Be [He] | | | 0.00 | 0.0000 | 0 | |
| 27 Al [He] | | | 0.00 | 0.0000 | 0 | |
| 45 Sc(ISTD) [He] | | | 0.00 | 0.0000 | 0 | |
| 51 V [He] | | | 500.01 | 0.0000 | 0 | |
| 52 Cr [He] | | | 1668.41 | 1.9958 | 0 | |
| 55 Mn [He] | | | 0.00 | 0.0000 | 0 | |
| 59 Co [He] | | | 132414.49 | 0.1194 | 0 | |

Color-coded flags save time when checking run status and QC results. The method will be customized to include your desired actions in the event of a QC failure e.g. recalibrate and rerun if the result is within a specified limit.

## Expand your capabilities beyond cannabis analysis

Your Cannabis Analyzer is not limited to cannabis testing. With the powerful 7850 ICP-MS and fully-featured MassHunter software that underlie the Cannabis Analyzer, you can also extend your analytical capability to address virtually any sample type you may need to measure in the future.

Learn more:
**www.agilent.com/chem/icpms**

Buy online:
**www.agilent.com/chem/store**

Get answers to your technical questions and access resources in the Agilent Community:
**community.agilent.com**

U.S. and Canada
**1-800-227-9770**
**agilent_inquiries@agilent.com**

Europe
**info_agilent@agilent.com**

Asia Pacific
**inquiry_lsca@agilent.com**

1. *The Agilent ICP-MS Cannabis Analyzer is currently available in the USA and Canada only.*
2. *21 CFR Part 11 Compliance software is not available for ICP Go.*