



THE GROWING REQUIREMENT FOR CANNABIS ANALYSIS



MEDICINAL MARIJUANA



RECREATIONAL CANNABIS



WHAT ARE YOU LOOKING FOR?

Consistency

The ability to accurately identify flavour profiles

Purity

Ensure no harmful solvents used in any extraction processes are left in the final product

Potency

Accurately determine the levels of active component such as THC and CBD

Safety

Ensure levels of harmful chemicals such as pesticides are below dangerous limits



That greater attention to detail is leading growers, extractors and infused product manufacturers to use **analytical chemistry** as a **quality control tool**.

WHAT DOES THIS LOOK LIKE?

GAS CHROMATOGRAPHY - MISCONCEPTIONS

Previously, using analytical instrumentation, like mass spectrometry (MS) or gas chromatography (GC), required experience with chromatography.

Knowledge

Belief that degree level scientific education is needed to perform analytical testing

Requirements

Lack of requirement for testing and inconsistency between territories

Expertise

Belief that vast experience was required to operate the equipment for testing

Money

Cost of equipment prohibitive

Now there is low cost, simple to use analytical instrumentation and training available on the market to combat these misconceptions.



Expertise

20+ years of experience in the GC market

Training

Ellutia GC Excellence Academy can help bring users with no previous experience up to speed quickly and efficiently

Cost Effective

Ellutia 200 Series GC designed to be a cost effective solution with our compromising analytical performance

Compact

Footprint of only 16cm (H) x 41cm (W) x 34cm (D)

Lighter

Weight of only 7.5kg

Easier to use

Originally designed for use in education so ideal for a first introduction to GC



There are many benefits of in-house testing as opposed to outsourcing, including a **reduced cost per sample**, **reduced analysis times**, **improved product and brand reputation** and an **increased reputation of the industry** as a whole.



Shamanics, a cannabis oil extraction company based in Amsterdam, **is now fully trained at the Ellutia GC Excellence Academy** and uses Ellutia's 200 series for quality assurance in their products.

Being able to judge quality product and then relay that information to retail is **helping Shamanics grow their business and stay ahead of the curve**.

QUALITY TESTED PRODUCT

Patient

Confidence in the safety and consistency of the medical product

Consumer

Better informed to make purchasing decisions for their person preference



There is a **growing demand in the Cannabis industry for quality tested products**.

Just as consumers of other products would not accept other medical drugs that had not been tested, **why should cannabis consumers accept product that has not been through the equivalent testing processes**.

The more testing that is brought to the industry will help ensure quality product and remove the stigma still associated with it.