

VALENVERAS

INSTANT LAB ANALYSIS THROUGHOUT

THE MEDICAL CANNABIS

PRODUCTION JOURNEY

Precision Cultivation For Maximum Profitability



Accurate Analysis Of Critical Cannabis Parameters

Precisely determine the composition of crucial parameters along the growing cycle



Nutrients & health
Maintain crop health and take immediate corrective actions.



Water action/activity
Determine the ideal time for processing.



Terpenes
Hone terpene concentrations to differentiate your product.



Potency
Determine the optimum harvesting time for maximum profitability.

Diverse Parameters With A Single Solution

- Zinc PPM
- Manganese PPM
- Iron PPM
- Phosphorus
- Calcium
- Nitrogen
- Potassium
- Magnesium
- CBDa *
- CBG*
- Delta9 THC*
- Moisture
- THCa
- Total CBD
- Total THC
- Water Activity

**Model in Beta Version*

Unlocking Comprehensive Terpene Profile

B-Myrcene



B-Myrcene



Terpinolene



Limonene



A - Humulene



B-Pinene



B - Caryophyllene



Eudesma - 3,7 (11)



G - Elemene



Linalool



A Comprehensive Analysis of Cannabis Plant Components Across Growth Stages



Plant Tissue



Dried Flower

Go Beyond Traditional Testing Methods





NEOSPECTRA


Instant Insights For Enhanced Quality

Achieving the perfect balance between quality and cost is paramount in the medical cannabis industry. NeoSpectra's on-site analysis solutions empower breeders, growers, and distributors to optimize their processes, ensuring maximum profitability. By offering real-time insights into critical parameters such as potency, moisture, terpenes, and nutrients, NeoSpectra significantly enhances the precision of medical cannabis harvest, drying, and distribution timelines. Moreover, it instills greater confidence in the accuracy of product labels.

Common Challenges in The Medical Cannabis Industry

- High cost of analysis
- Time delays associated with sending samples to external labs
- Inaccurate calendar-based decisions for harvesting, processing, and distribution.

How NeoSpectra Addresses Them



Handheld solution



Instant and lab-level results



Easy-to-use and ergonomic design



Historic record keeping on Cloud Porta

All-In-One Platform For Your On-Site Analysis Needs



Accurate handheld scanner

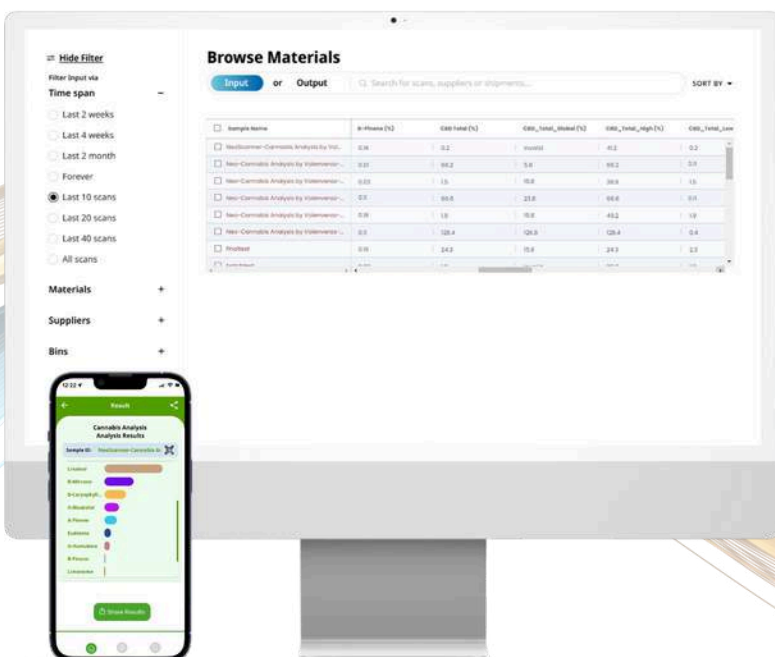
- Field-Ready Accurate NIR spectrometer tailored for cannabis.
- Ergonomic and rugged design.
- Customized accessories for various sample types to easily test plant tissue, emerging flower, dried flower, and soil.

Instant result on mobile app

- Wide selection of critical parameters covering nutrients, potency, terpenes, moisture, and water activity.
- Simultaneous analysis of multiple compounds.
- Results available immediately.

All Your Data In One Place

Amplify insights by aggregating all your data in one Cloud Portal.



Automatic recording of field results on a Cloud platform



Advanced analytics for actionable insights



Centralized access to data across different stages of cultivation

Empowering All Stakeholders In Medical Cannabis Cultivation

✔ **Timely decisions about quality and compliance**

✔ **More frequent analysis throughout the growth cycle**

✔ **Lower operating costs**

✔ **Accurate and consistent results**



Breeders

- Make timely decisions about plant selection for efficient breeding.
- Ensuring consistent and reliable results in breeding programs.
- Identify plants with the desired chemical profiles and traits for optimized genetics.
- Testing is required at each stage of lifecycle.

Cultivators

- Precisely time harvesting for maximum potency and terpene profiles.
- Optimize nutrient delivery and detect health issues early.
- Monitor drying and determine optimum time for processing.



Distributors & buyers

- Sort products by grades and conduct pre-certification testing.
- Label verification for potency and moisture content.
- Build a reputation for product consistency.



Putting It All Together

NeoSpectra’s on-site analysis solutions transform medical cannabis cultivation by providing real-time insights for optimizing quality and cost. With a field-ready handheld scanner offering instant, lab-level results and a Cloud portal for centralized data access, NeoSpectra simplifies the complex process of cannabis analysis. It accurately assesses critical parameters such as potency, moisture, terpenes, and nutrients while increasing operational efficiency, analysis frequency, and result speed, all while reducing logistical costs and errors in decision-making. NeoSpectra brings the lab to where decisions are made, benefiting cultivators, testing labs, and dispensaries, enhancing efficiency and boosting margin.



Instant Results

Make timely decisions for maximum potency.



Lab-Level Accuracy

Achieve precise analysis without delays.



Increased Testing Frequency

Enhance your cultivation process.



New Revenue Streams

Develop strains that meet specific industrial needs



VALENVERAS

 NeoSpectra™
by Si-Ware

**Experience the future of medical cannabis cultivation
with NeoSpectra & Valenveras**

**Contact us today to schedule a demonstration
or get more information.**

For orders within Africa:

www.thebestgrow.co.za

orders@thebestgrow.co.za

Tel: 0768088526/ 021 3000 816