

QLIMS BY ONQ SOFTWARE: A LIMS FOR THE MEDICAL CANNABIS INDUSTRY

KEY TOPICS

Regulatory Compliance
assistance, TGO 93, NATA

Sample Tracking

Raw Material Testing Validation

Analytical & Regulatory
Reporting

Chain of Custody

Formulations

Sample Splitting

Instrument Integration

Bar Codes and Labels

Business Intelligence

Customer Portal

Site Sampling

With the Medical Cannabis industry growing at a massive rate we understand that Lab Managers are feeling the pressure to meet testing demands with **fewer resources** and **changing regulations**. They need to be able to do more with less and identify workload issues or bottlenecks **using a cost-effective solution**.

This is where **QLIMS** comes in, with a large global presence we understand that our customers are facing the same fundamental issues;

- Labs face an increasing pressure to comply with the **tight regulations** surrounding research, manufacturing and distribution of medicinal cannabis
- Growing demand for **transparency in testing**, a comprehensive **audit trail** and complete **traceability** of samples from receipt to disposal to adhere to the strict sampling requirements
- Cannabis Laboratories need to be very **capital efficient** so as to successfully navigate the rapidly changing regulatory environment

“We need to be able to trust the data. The data is everything.”

SAMPLE & TEST MANAGEMENT

- Preparation of analytical batches and their associated sample types and methods are linked to sample, customer, site and project data to name a few
- QLIMS is optimized for tests involved in Medical Cannabis, includes potency, strain analysis, moisture etc. All specification ranges can be easily adjusted based on regulations or pre-loaded
- QLIMS accounts for all the sample test results from a variety of instruments as well as for every gram of the sample, from receiving it, to consumption in testing, to disposal
- Provision for Sample Splitting, such that aliquots of the sample can be sent for different types of testing to the requisite labs
- **Product and intermediate product formulations** can be created within **QLIMS**, and contains the component list and quantities for each component and all the process steps taken during manufacture



Lab Grown

CHAIN OF CUSTODY

- Samples can be submitted either in person or via the **QLIMS Customer Portal**, with barcode enabled Chain of Custody (COC), storage location, possession and status tracking
- QLIMS has complete chain of custody, track samples and aliquots from initial sampling location through the lab to disposal, recording location, ownership and other key data

ID	Location	Total Samples	Due
10	618	5	14/03/2018
11	5000600	5	31/03/2018
12	815	4	04/04/2018
8	george	4	28/01/2018

REPORTING & REGULATORY COMPLIANCE – TGO 93

- QLIMS uses Microsoft Reporting Services, and has automated emailing of pdf reports, such as Certificates of Analysis (COA's). Real-time reporting via the QLIMS Customer Portal is available
- QLIMS will assist Cannabis Laboratories in complying with the requirements set out in TGO 93 with regards to QC monitoring of medical cannabis products, ingredients and SOP of the manufacturing process
- Additionally, QLIMS also assists with gaining NATA accreditation with its comprehensive Audit Trail and provides E-Signature capabilities compliant with 21 CFR Part 11 regulations

OnQ software

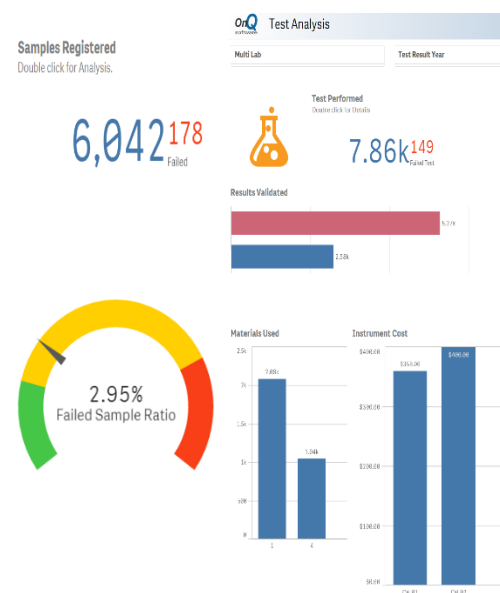
Certificate of Analysis

Item Description	Nice Honey 250g			
Item Code	CN555			
Batch Number	123456789			
Bulk Batch Number	987654321			
Manufacture Date	12/12/2017			
Best Before	11/12/2020			
Shelf Life	2 Years			
Source	Honey Inc			
Storage Recommendations	Store below 25°C			

ANALYSIS	RESULT	UPPER LIMIT	UNITS	SPECIFICATION
QC Samples Result	PASS			
Appearance	Pass			Typical appearance, viscous thixotropic fluid
Colour	Medium			Light, medium or dark

AUTOMATION & BUSINESS INTELLIGENCE

- QLIMS for Cannabis labs readily interfaces with any instrument, including spectrometers and chromatographs, either through API or file-based integrations.
- QLIMS Business Intelligence is powered by leading BI solutions provider Qlik and includes pre-configured interactive visualisations highlighting key lab metrics such as, batch, sample and test turnaround time's, customer work analysis, cost analysis, site sampling analysis, cost per sample, error rates and more
- Quickly display information for operational and/or management reporting



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QLIMS
Laboratory Information Management