Approved: Aniske v/d Merwe	Approved Date: 2026-01-28	Review Date: 2028-01-27	Effective Date: 2026-01-29

GMP Flower is an end-to-end compliance and operations platform purpose-built for licensed medicinal cannabis facilities operating under GACP, GMP, GPP, and SAHPRA requirements.

Designed by pharmacists and cultivators with hands-on industry experience, GMP Flower brings structure, traceability, and regulatory confidence into a single, secure, paperless system.

1. **Infrastructure & Hosting**
   1.1. Secure cloud-based hosting environment
   1.2. ISO/IEC 27001-aligned infrastructure standards
   1.3. High-availability servers with load balancing and auto-scaling
   1.4. Custom domain support (e.g. yourcompany.gmpflower.co.za)
   1.5. Server-side encryption:
   1.6. AES-256 encryption at rest
   1.7. SSL/TLS encryption in transit
   1.8. Content Delivery Network (CDN) for fast, reliable global access
   1.9. Uptime Service Level Agreement (SLA): 99.5% – 99.9%

2. **Security & Access Control**
   2.1. Secure user authentication system
   2.2. Role-Based Access Control (RBAC) aligned to GMP responsibilities
   2.3. Optional Two-Factor / Multi-Factor Authentication (2FA / MFA)
   2.4. Password complexity and rotation policies
   2.5. Automatic session timeouts
   2.6. Immutable, time-stamped audit trails for all system actions
   2.7. Automated security monitoring and updates

3. **Data Management & Integrity**
   3.1. Daily automated backups (local + offsite/cloud)
   3.2. Backup retention policy (minimum 60 days)
   3.3. Database redundancy and replication
   3.4. Controlled data export tools (PDF)
   3.5. No hard deletes — full audit trail preservation
   3.6. Supports ALCOA+ data integrity principles.

4. **Core Application Features**

![GMP Flower Cannabis Compliance logo]	**KEY ELEMENTS OF GMP FLOWER SYSTEM**	Doc. No. Elem-Website-v1
		Version 1

Approved: Aniske v/d Merwe	Approved Date: 2026-01-28	Review Date: 2028-01-27	Effective Date: 2026-01-29

4.1. Web-based platform (desktop, tablet, mobile browser)

4.2. Centralized dashboards for real-time operational visibility

4.3. Configurable workflows aligned to facility processes

4.4. Notifications and alerts (in-app, email)

4.5. Facility-specific configuration and branding (logo, naming)

4.6. Integrated Document Management System:

    4.6.1. SOPs

    4.6.2. Logs

    4.6.3. Registers

    4.6.4. Reports

5. Cultivation & Operations Management

5.1. Cultivar (genetics) management

5.2. Project-based cultivation planning

5.3. Full plant batch lifecycle tracking

5.4. QR-coded batch identification

5.5. Task management:

    5.5.1. Cultivation tasks

    5.5.2. Cleaning & maintenance

    5.5.3. Phase-based scheduling

5.6. Facility infrastructure management:

    5.6.1. Areas & rooms

    5.6.2. Equipment & assets

    5.6.3. Containers & packaging

    5.6.4. Additives & recipes

6. Inventory & Schedule 6 Control

6.1. Articles (master inventory records)

6.2. Inbound & outbound deliveries

6.3. GACP plant inventory

6.4. Digital Schedule 6 Book Balance:

    6.4.1. Replaces handwritten red Schedule 6 register

    6.4.2. Controlled PDF output

    6.4.3. RP sign-off supported

    6.4.4. Fully GPP compliant

    6.4.5. GACP & GMP waste tracking

    6.4.6. Retention sample register with stock reconciliation

7. Quality & Compliance Tools

	KEY ELEMENTS OF GMP FLOWER SYSTEM	Doc. No. Elem-Website-v1
		Version 1

Approved: Aniske v/d Merwe	Approved Date: 2026-01-28	Review Date: 2028-01-27	Effective Date: 2026-01-29

7.1. CAPA management:
    7.1.1. Deviations
    7.1.2. Root cause analysis
    7.1.3. Corrective & preventive actions
7.2. Harvest management:
    7.2.1. Wet harvest to final outputs
    7.2.2. Yield, waste, and adjustment tracking
    7.2.3. RP sign-off
    7.2.4. Sampling & laboratory traceability
    7.2.5. SOP management with version control
    7.2.6. Training & competency management
    7.2.7. Internal audits & self-inspections
7.3. HVAC system oversight:
    7.3.1. Pressure readings
    7.3.2. Maintenance & cleaning schedules
    7.3.3. Compliance documentation

8. Reporting & Audit Readiness

8.1. Inspection-ready reports generated instantly
8.2. Covers:
    8.2.1. Cultivation
    8.2.2. Inventory
    8.2.3. Quality
    8.2.4. Waste
    8.2.5. Training
    8.2.6. Equipment
    8.2.7. HVAC
    8.2.8. Secure digital records for SAHPRA and PIC/S inspections
    8.2.9. Fully paperless compliance environment

9. Integrations & Extensibility

9.1. IoT sensor integrations (e.g. environmental monitoring)
9.2. API-ready architecture
9.3. Optional custom integrations (add-on service)
9.4. Scalable to multi-site operations

10.   Governance & Administration

10.1.   Company profile and licence management

10.2.   User & role administration

10.3.   Leave management for personnel availability and traceability

10.4.   Full system activity logs

10.5.   Controlled integrations

10.6.   Centralized governance oversight

11.   Support, Onboarding & Maintenance

11.1.   Dedicated onboarding support

11.2.   Structured onboarding documentation

11.3.   Customer support:

11.3.1.   Email

11.3.2.   Phone

11.3.3.   WhatsApp

11.3.4.   SLA-backed support response

11.3.5.   System monitoring & incident alerts

11.3.6.   Training and handover sessions

12.   Updates & Continuous Development

12.1.   Regular feature enhancements

12.2.   Security patches and bug fixes

12.3.   Performance optimisations

12.4.   Regulatory-driven improvements

12.5.   Client feedback incorporated into product roadmap

13.   Commercial & Subscription Model

13.1.   Monthly or annual subscription options

13.2.   Three pricing tiers aligned to facility size and licence scope

13.3.   Usage-based limits:

13.3.1   Users

13.3.2   Modules

13.3.3   Storage

13.3.4   Batches

13.3.5   Discounted annual contracts

13.4.   Optional validation support packages:

13.4.1   Full CSV lifecycle (additional cost)

	KEY ELEMENTS OF GMP FLOWER SYSTEM	Doc. No. Elem-Website-v1
GMP FLOWER CANNABIS COMPLIANCE		Version 1

Approved: Aniske v/d Merwe	Approved Date: 2026-01-28	Review Date: 2028-01-27	Effective Date: 2026-01-29

In Summary

GMP Flower is not generic software.

It is a purpose-built compliance platform, designed by industry professionals who understand the realities of regulated cannabis operations.

From cultivation to sale, from quality to inspections — GMP Flower provides clarity, control, and confidence in one connected system.

Contact us

📞 +27 71 997 2400

🌐 www.gmpflower.co.za

✉️ info@gmpflower.co.za

Also follow us on