



ecspharma

EFFICIENCY CONSISTENCY SAFETY

Delivering products that work for patients

Supporting physician-led patient pathways

ECS Pharma promotes the responsible use of medical cannabis as one of the options in a patient's therapeutic program. We strive to maintain an efficient supply chain and deliver consistent and safe products.

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Introducing a range of non-irradiated flower products produced by MG Health Limited, an established, EU GMP certified medical cannabis producer.

PRODUCER : MG HEALTH, MARAKABEI, LESOTHO
EU GMP Certified : Yes, BfArM (Germany)
EU GMP SITE # : GMDP 63812 (Eudra)



Basics of Medical Cannabis and Finding What Works for You

1. Medical cannabis is legal with a prescription from a consultant physician.
2. It is not for everyone, and prescribed dosages vary.
3. Most patients only need a small amount of the psychotropic active, THC.
4. Therapeutic effects are different for everyone (depending on gender, genetics, metabolism etc.).
5. Repeatable patient experience depends on consistent products and consistent dosage (when, how and the amount taken).
6. For first time patients, choosing the right product, manufacturer and chemical profile is an iterative process. Patients are likely to try various options to evaluate the outcomes and find what works best for them.

Cannabinoids & Terpenes

Cannabis has for centuries been known as a medicinal plant of unparalleled versatility. While many phyto-cannabinoids have been discovered, overwhelming research has focussed on the two most prolific phyto-cannabinoids – THC (the only psychoactive molecule) and the anti-inflammatory properties of CBD. **Phyto-cannabinoids are regarded as the active compounds found in cannabis and are said to be the dominant drivers of therapeutic outcomes. Terpenes, in contrast, have been said by some patients to have less influence on the therapeutic effect, but are the main drivers of the overall user experience (for example influencing the degree of calm and/or stimulation experienced).**

Although the terpene component typically represents only around 1% of dried flower mass, it is responsible for all the aroma and taste. Being lighter molecules, a significant proportion of terpenes can be lost in certain manufacturing processes, such as with high temperature drying and irradiation. Good product storage practices can help prevent further terpene loss.

Why ECS Pharma selected MG Health

ECS Pharma sources product exclusively from EU GMP (or equivalent) accredited suppliers. This gives assurance that patients are not at risk of taking quality compromised product, thereby aligning ourselves with the objectives of both regulators and prescribers. We are delighted to introduce our range of dried cannabis flower from MG Health Limited.

Situated at an altitude of 2,000m in the pristine Lesotho mountains, MG Health cultivates, processes and packages medical cannabis at its EU GMP accredited site. Not only does it produce medical cannabis to the highest pharmaceutical standards, its products have also been extremely well received by legacy and long-term patients, a truly discerning group of customers. The company's products have been available to patients in Germany since June 2021, followed by Poland, Israel, Australia and now available in the UK.

Quality & Consistency

Relying on science for product safety and consistency, and with continuous refinement of the art of cultivation, MG Health's products meet the needs and expectations of patients. Producing medicines from a plant source is challenging, with environmental factors able to quickly change a promising harvest into a disappointment. Fortunately, local environmental factors of altitude, clean water, dry air and long sunny days help to limit plant diseases and harmful yeasts and moulds. However, if a production batch does not meet the standards¹, MG Health has the batch quarantined and destroyed.

Stability & Shelf Life

MG Health has learnt from the food industry that high water activity, or any free water, provides conditions for harmful yeast and moulds to flourish. The management of water activity, oxidation and the low risk environmental factors means **radiation or product remediation is not required**. EU GMP stability studies confirm flower product shelf life **exceeds 12 months**.

Provenance

There are few better places to grow medical cannabis than at MG Health, which is possibly the most beautiful EU GMP site anywhere. Lesotho has historically produced some of the best cannabis and MG Health has leveraged the natural advantage with high end manufacturing standards and establishing a world class manufacturing facility. In addition, the number of high-level jobs, the potential for inter-generational wealth creation and new career opportunities for the local community is a standout feature at this manufacturer.

¹ Microbiology Standard - Ph.Eur. 2.6.12, 5.1.4 & Ph. Eur.2.6.31

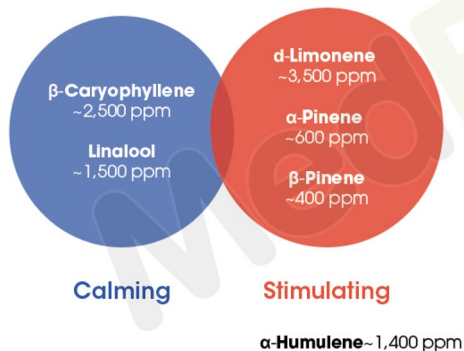
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ECS Bafokeng Choice

T24 C1 Non-Irradiated Cannabis Flos 10g

Indicative Terpene Profile



Active Compounds

THC 24% CBD <1%



ECS Bafokeng Choice is a balanced hybrid with a terpene profile described as slightly stimulating, followed by a calming and physically sedative experience. It is a cross between **White Lemon** and an indigenous variety, simply named "**Marakabei Local**".

Marakabei Local was identified and described by the MG Health team. It is a genetically unaltered landrace, with a unique character. The cross with White Lemon has resulted in a product with stable cannabinoid and terpene profile. It has a pleasant, **slightly lemony aroma**, and terpene profile that is dominantly characterised by Caryophyllene, Humulene and Limonene.