



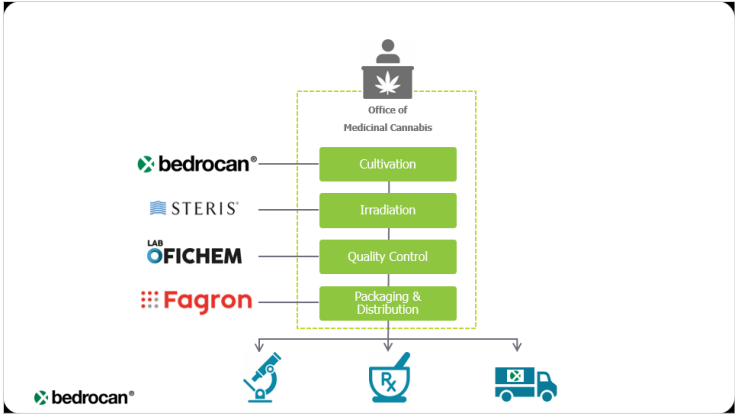
Good Medicinal Cannabis Cultivation Practice

Paving the way to a reliable product

Production of cannabis as an
herbal pharmaceutical product

Tjalling Erkelens
Founder Bedrocan
December 8, 2022

Agenda





Office of
Medicinal Cannabis

 **bedrocan**[®]

Cultivation

 **STERIS**[®]

Irradiation

LAB OFICHEM

Quality Control

 **Fagron**

Packaging &
Distribution





Cannabis flos



Vegetative production



Production cell

Processing

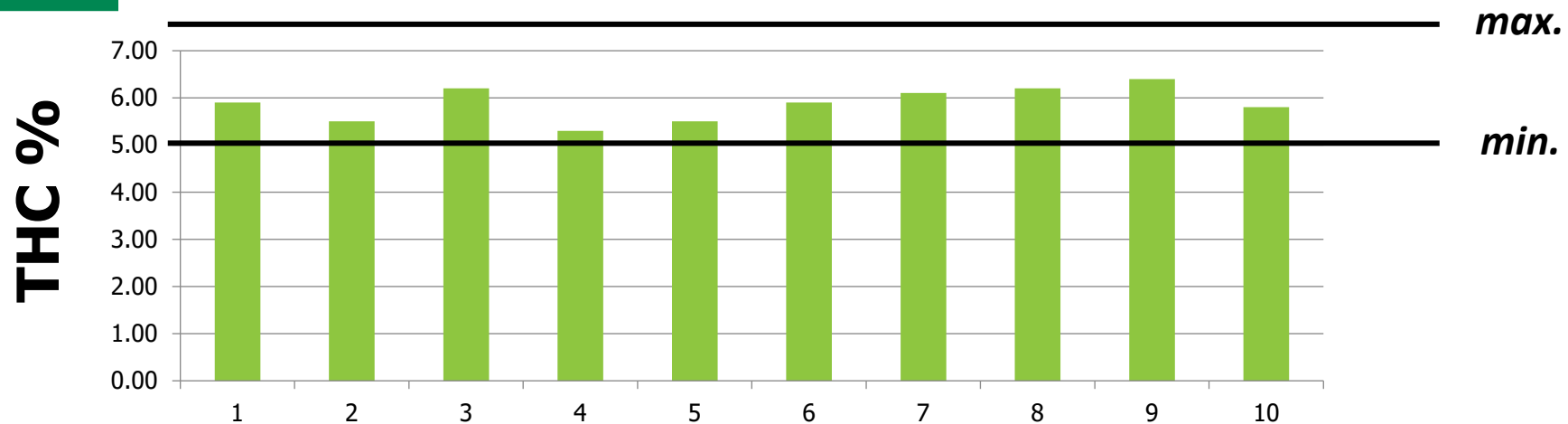


From one single seed

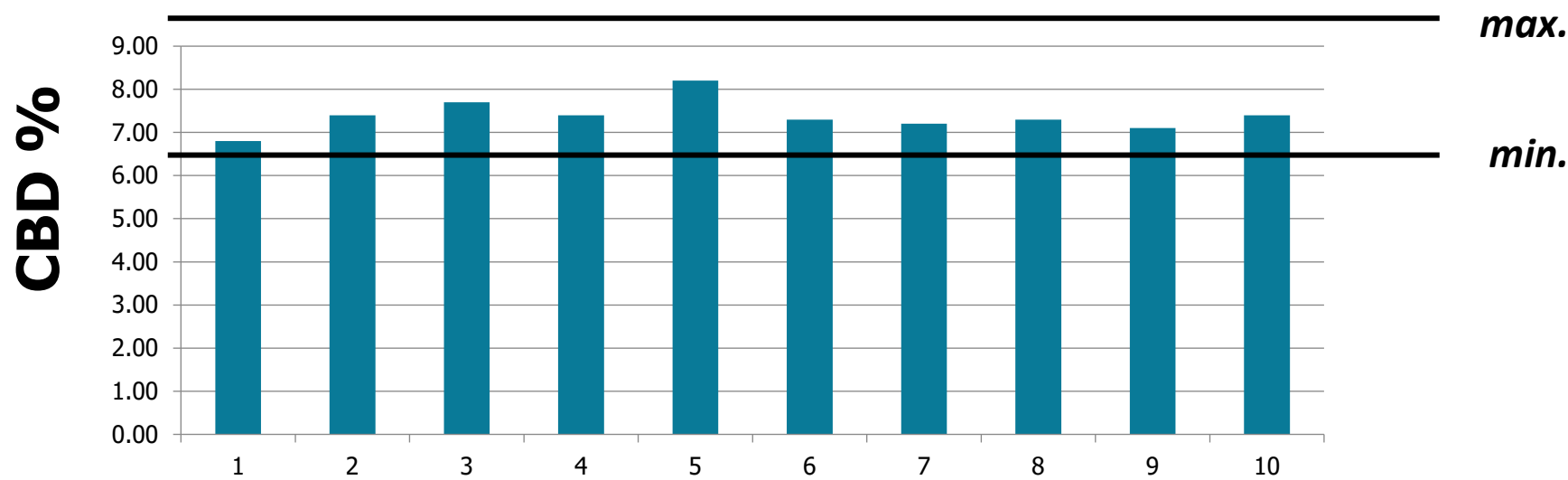


Genetic and environmental standardisation

Stable content THC & CBD



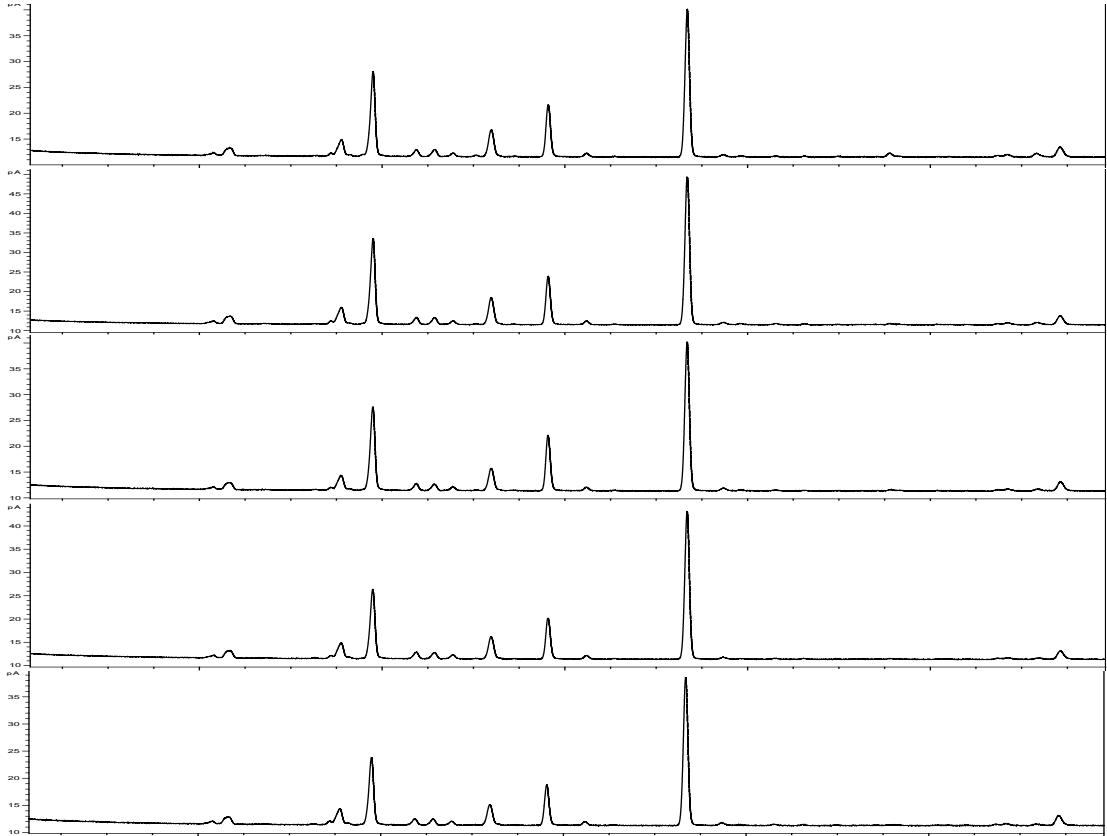
Bediol



Stable content terpenes

5 batches

Bediol



01.17

01.19

01.20

01.21

01.23



Cannabinoïds

Heavy metals

Pesticides

Quality is key

**Microbiologic
contamination**

Products

Product	THC %	CBD %	Since
Bedrocan ®	22	<1	2003
Bedrobinol ®	14	<1	2005
Bediol ®	6	8	2007
Bedica ®	14	<1	2011
Bedrolite ®	<1	7,5	2015

Good manufacturing practise



Two standards

GACP

Vegetative

Cultivation

Harvest

Drying

GMP

Processing

Packaging



GMP

Good Manufacturing Practice

- QA-department
- GMP QMS
- Good Documentation Practice
- Validation
- Calibration of equipment
- Batch Records
- Validated Cleaning Procedures
- Deviation, CAPA & Change Control



GACP is not sufficient



Bedrocan develops new practice for cannabis cultivation

Posted 19 July 2022



Bedrocan has developed a new practice for medicinal cannabis cultivation. The practice is already in use at Bedrocan's facilities and is called GMCCP: Good Medicinal Cannabis Cultivation Practice. According to Bedrocan, GACP is not sufficient for cannabis intended for medicinal use, hence the need for a special practice for the cultivation of medicinal cannabis.

At the moment, Good Agricultural and Collection Practice (GACP) is the only set of requirements available to companies within the EU for the cultivation of medicinal cannabis. This GMCCP standard exceeds the requirements as defined in GACP. The ultimate purpose is to increase the quality of medicinal cannabis cultivation and to get it as close as possible to GMP, while simultaneously taking into consideration the complexity of cultivating the cannabis plant for medicinal and scientific use.

The [introduction of GMCCP](#) has gone smoothly within Bedrocan. Actually, not much has changed because Bedrocan already had strict rules in place for growing cannabis. For example, Bedrocan has a quality management system (QMS) to guarantee product quality and continuous process improvement. It ensures that all cultivation operations are carried out in a correct and

A person wearing a blue protective suit and cap is working in a cannabis cultivation facility. The person is seen from the side, looking towards a dense field of green cannabis plants. The plants are in various stages of growth, with some showing serrated leaves and budding. The background is filled with more plants, creating a lush green environment. The overall scene is well-lit, suggesting an indoor or controlled environment.

GMCCP

Good Medicinal Cannabis Cultivation Practice



GMCCP

Good Medicinal Cannabis Cultivation Practice

- QA-department for cultivation
- GMCCP-QMS
- Good Documentation Practice
- Validation
- Batch Records
- Validated Cleaning Procedures
- Deviation, CAPA & Change Control

**Cannabis can be of true
pharmaceutical quality**

**Thank you for
your attention**





