





Ofichem Group



Incopharm

Distribution of veterinary and human API's for Eastern Europe & Russia









Ofichem

Distribution of veterinary API's



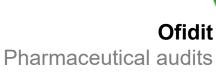




Ofipharma

Distribution and repacking of human API's





Experience of Lab Ofichem with cannabis (since 2012)

- Production of pure CBD and THC
- Production of CBD and THC extracts (containing terpenes)
- Analysis of (medicinal) Cannabis
- Analysis of cannabis containing products
 - Extracts
 - Powder
 - Oil's



Analysis Lab Ofichem for medicinal cannabis

- According OMC monograph Cannabis Flower / Version 8.0 / November 01, 2021
- Analysis according DAC/DAB monograph
- Analysis according the Danish monograph
- Terpene analysis



Medicinal cannabis regulated in the Netherlands





Challenges in the analysis of cannabis

- Sample homogenity
- Sample preparation
 - Milling
- Microbiological examination
 - Growth inhibition at low levels



Challenges in the analysis of cannabis

- Pesticides
 - Number of pesticides
 - Ca 110 conform EP 2.8.13
 - Additional 8 based of risk assesment
 - Matrix effects
 - Risk assesments
 - Validation
 - Screen
- Aflatoxines
 - Matrix effects



Draft EP monograph (comments)

- HPTLC
 - Required?
- Microscopic test
 - Required for each batch?
 - How to powder the material?
- Sample preparation
 - Appropriatie procedure



A safe medicine starts with high-quality ingredients



