

Government Chemist CBD Ring Trial SOCOTEC Performance Summary



Table 1. Cannabinoids of interest.

| Cannabinoid | Abbreviation | CAS Number | Controlled Status |
|--------------------------------------|-------------------|------------|----------------------------------|
| Cannabidiol | CBD | 13956-29-1 | No |
| Delta-9-tetrahydrocannabinol* | Δ^9 -THC | 1972-08-3 | Yes |
| Delta-9-tetrahydrocannabinarin* | THCV | 31262-37-0 | Yes |
| Cannabinol* | CBN | 521-35-7 | Yes |
| Delta-8-tetrahydrocannabinol* | Δ^8 -THC | 5957-75-5 | Yes |
| Delta 9-Tetrahydrocannabinolic acid* | Δ^9 THCA-A | 23978-85-0 | No - but readily converts to THC |

*Optional

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CBD B

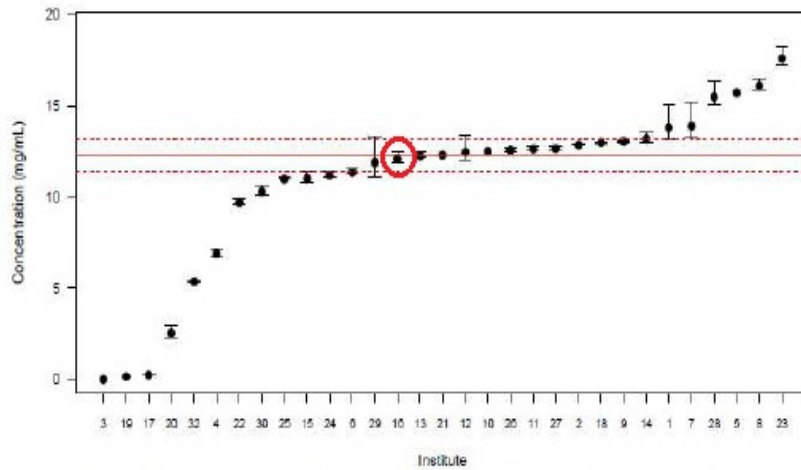


Figure 5. Calculated concentrations of CBD in LGC-RT/20/B by all participating laboratories. Error bars represent the standard uncertainty of the laboratories' replicate results.

Cannabinoid A (Delta 9 -THC)

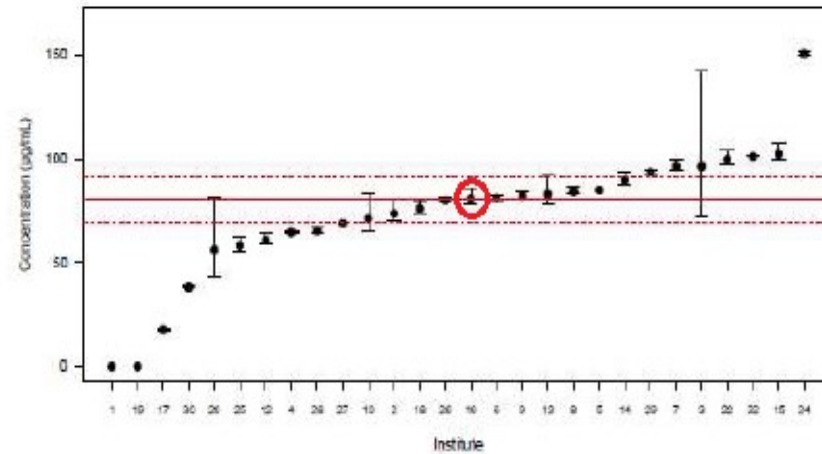


Figure 15. Reported concentrations of Δ^9 -THC in LGC-RT/20/A by all participating laboratories. Error bars represent the standard uncertainty of the laboratories' replicate results (K=1).

Full Government Chemist Ring Trial Results can be viewed at:

<https://www.gov.uk/government/news/cbd-and-controlled-cannabinoids-results-from-a-ring-trial>