Cannabis Potency Test
Using the 630 FTIR Spectrometer

Application Note Abstract

This Application Note describes the determination of the potency value of THC, THCA, and total THC in distillate and concentrate samples using a FTIR spectrometer. Sample handling and the building of a a multivariate calibration model using chemometric models that correlates the reference HPLC measured potency value with the FTIR-measured spectral data is examined and discussed. Results of the method created for the distillate and concentrate sample types are presented along with the correlation of potency value measured between the HPLC reference technique and the FTIR predicted value.

Instrument configuration

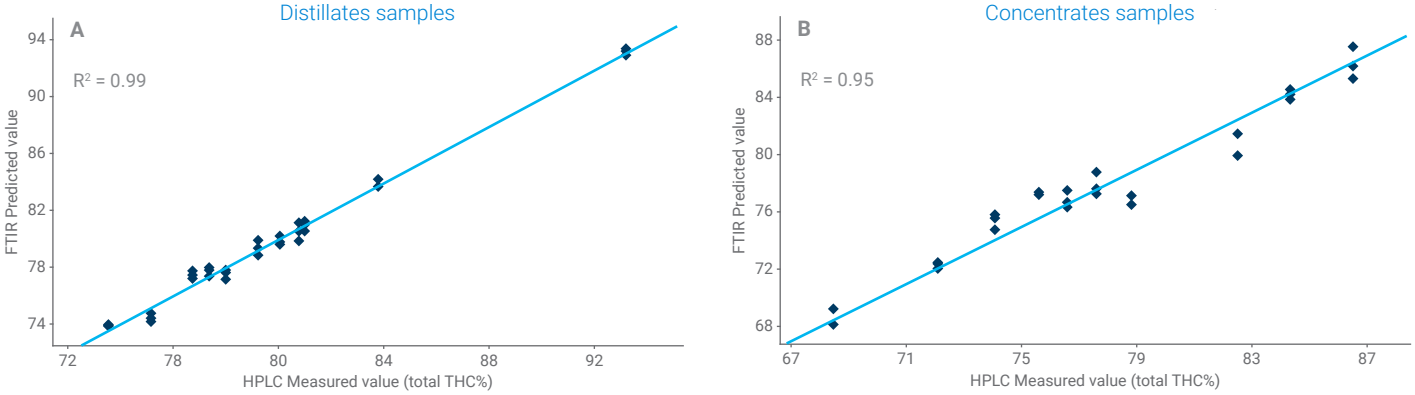
Agilent Cary 630 FTIR

A single-bounce diamond attenuated total reflectance (ATR) sampling module was used. The MicroLab PC software was used to create the calibration models and generate a method for the analysis.

Detailed application note

Quick and Real-Time Potency Determination of Cannabinoids Using a FTIR Spectrometer

Correlation of Distillate and Concentrate sample results between FTIR and HPLC



For more information visit **http://www.agilent.com/chem/cannabis-testing-emethods**

Agilent products and solutions are intended to be used for cannabis quality control and safety testing in laboratories where such use is permitted under state/country law.

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