

Pesticide Residue Analysis in Cannabis with the Intuvo/7010B GC/TQ System

eMethod G5278AA#020

Background information

This eMethod is designed for the analysis of 5 GC/MS/MS amenable pesticides regulated by several US states. It defines single stream (LC-MS/MS and GC-MS/MS) sample preparation and includes a list of expertly selected consumables and supplies. It also provides an optimized analytical method for the separation and detection of pentachloronitrobenzene, parathion-methyl, captan, chlordane and chlorfenapyr under 15 minutes. The reliable operation of the end-to-end workflow is demonstrated by excellent calibration results ranging from 2 to 8,000 ppb in matrix, precision, accuracy and LOQ data as described in the application note.

Instrument configuration

Agilent Intuvo 9000 GC with the 7010B Mass Spectrometer and 7693 Automatic Liquid sampler (ALS)

The GC includes MMI inlet and mid-column backflush. The 7010B MS was configured in EI mode. MassHunter 10.0 was used both for acquisition and data analysis.

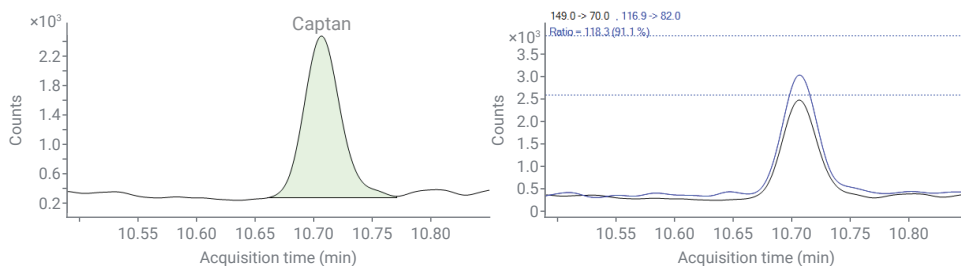


Application note



Analysis of Challenging Pesticides Regulated in the Cannabis and Hemp Industry with the Agilent Intuvo 9000/7010 GC/MS/MS System: The Fast-5

Captan Detection in Matrix at 1 ppb Concentration (in vial)



For more information visit <http://www.agilent.com/chem/cannabis-testing-ethods>

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.

DE.5359143519

This information is subject to change without notice.

© Agilent Technologies, Inc. 2020
Published in the USA, June 1, 2020
5994-2106EN

