



## *Manufacturer's Information*

# **Test No. 21-5031: Marihuana Identification and THC Quantitation**

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Each sample pack consisted of three items containing 400 mg of loose plant material. Item 1 consisted of marihuana with a grand mean THC concentration of 12.595% with a standard deviation of 2.959. Item 2 consisted of catnip leaf (*Nepeta cataria*). Item 3 consisted of marihuana with a grand mean THC concentration of 5.213% with a standard deviation of 2.399. Concentration of THC for each item is determined by taking the grand mean of raw data means reported by participants. Marihuana is a Schedule I controlled substance in the United States.

### SAMPLE PREPARATION-

ITEMS 1 and 3 (PREPARATION): Approximately 400 mg of loose marihuana plant material was weighed out and deposited into a glassine bag, which was folded and secured with a label. The folded glassine bag was placed into a small colored bag. A gold-colored bag was used for Item 1 and a silver-colored bag was used for Item 3. The bags were heat sealed and then placed into a pre-labeled envelope.

Item 2 (PREPARATION): Approximately 400 mg of loose catnip leaf (*Nepeta cataria*) plant material was weighed out and deposited into a glassine bag which was folded and secured with a label. The folded glassine bag was placed into a small, red-colored bag. The bag was heat sealed and then placed into a pre-labeled envelope.

SAMPLE PACK ASSEMBLY: One envelope of each Item was placed into a larger pre-labeled sample pack envelope.

VERIFICATION: Laboratories that conducted predistribution analysis reported the identification of marihuana in Items 1 and 3. The following methods were used to examine the items: microscopic and macroscopic analysis, color tests, GC/MS, and LC.