



## **Synthetic Drug Analysis**

### **Test No. 25-5041 Summary Report**

---

Each sample pack consisted of two questioned samples, which participants were asked to analyze. Data were returned from 124 participants and are compiled into the following tables:

|                                                                   | <u>Page</u>               |
|-------------------------------------------------------------------|---------------------------|
| <u><a href="#">Manufacturer's Information</a></u>                 | <u><a href="#">2</a></u>  |
| <u><a href="#">Summary Comments</a></u>                           | <u><a href="#">3</a></u>  |
| <u><a href="#">Table 1a: Synthetic Drug Analysis (Item 1)</a></u> | <u><a href="#">4</a></u>  |
| <u><a href="#">Table 1b: Examination Methods (Item 1)</a></u>     | <u><a href="#">9</a></u>  |
| <u><a href="#">Table 2a: Synthetic Drug Analysis (Item 2)</a></u> | <u><a href="#">13</a></u> |
| <u><a href="#">Table 2b: Examination Methods (Item 2)</a></u>     | <u><a href="#">18</a></u> |
| <u><a href="#">Table 3: Additional Comments</a></u>               | <u><a href="#">22</a></u> |
| <u><a href="#">Appendix: Data Sheet</a></u>                       |                           |

This report contains the data received from the participants in this test. Since these participants are located in many countries around the world, and it is their option how the samples are to be used (e.g., training exercise, known or blind proficiency testing, research and development of new techniques, etc.), the results compiled in the Summary Report are not intended to be an overview of the quality of work performed in the profession and cannot be interpreted as such. The Summary Comments are included for the benefit of participants to assist with maintaining or enhancing the quality of their results. These comments are not intended to reflect the general state of the art within the profession.

Participant results are reported using a randomly assigned "WebCode". This code maintains participant's anonymity, provides linking of the various report sections, and will change with every report.

## Manufacturer's Information

Each sample pack consisted of two items, one or both potentially containing a synthetic drug. Participants were asked to examine the contents of each sample and determine if any synthetic drugs were present.

SYNTHETIC DRUG INFORMATION: Item 1 contained etizolam, a benzodiazepine derivative and Schedule I controlled substance in the United States.

SAMPLE PREPARATION: Each sample was portioned out into the appropriate sample size and placed into a glassine bag which was folded and secured with an item specific label. The folded glassine bag was placed into a small zip top bag, which was heat sealed and then placed into a pre-labeled envelope.

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

VERIFICATION: Predistribution results were consistent with each other and the manufacturer's preparation information. The following methods were used to examine the items: GC/MS, immunoassay.

| Item | Synthetic Drug<br>(Group)               | Other<br>Substance(s) | Form/Color   | Sample Size |
|------|-----------------------------------------|-----------------------|--------------|-------------|
| 1    | Etizolam<br>(Benzodiazepine Derivative) | Tablet Press Mix      | Powder/Green | 250 mg      |
| 2    | N/A                                     | Tablet Press Mix      | Powder/Blue  | 250 mg      |

## **Summary Comments**

---

This test was designed to allow participants to assess their proficiency in the qualitative analysis of questioned samples that could contain synthetic drugs. Each sample pack included two items: Item 1 contained a green powder mixture of 4% etizolam, a synthetic benzodiazepine derivative, and Item 2 contained a blue tablet press mixture with no synthetic drug added. Etizolam is a Schedule I controlled substance in the United States. Refer to the Manufacturer's Information for preparation details.

Overall, 124 of 124 participants (100%) reported that etizolam was detected in Item 1 and that no synthetic drug was present in Item 2.

For Item 1, 108 of the 124 participants reported 'benzodiazepine derivative' as the synthetic drug group while 16 reported that a synthetic substance was detected/identified but did not specify a group.

The most utilized methods of analysis among participants were GC/MS, color tests, and FTIR.

# Synthetic Drug Analysis (Item 1)

TABLE 1a - Item 1 Results

Item Contents: Etizolam

| WebCode | Synthetic Drug Group Detected                    | Synthetic Drug Detected                                  |
|---------|--------------------------------------------------|----------------------------------------------------------|
| 2EAL4J  | Benzodiazepine derivative                        | Etizolam                                                 |
| 2HCHRT  | Benzodiazepine derivative                        | Etizolam                                                 |
| 2TWT36  | Benzodiazepine derivative                        | etizolam                                                 |
| 2WXWUR  | Benzodiazepine derivative                        | Etizolam                                                 |
| 2XQQPB  | Synthetic substance detected (no group selected) | etizolam                                                 |
| 2ZW9QR  | Benzodiazepine derivative                        | Etizolam                                                 |
| 34QPFQ  | Benzodiazepine derivative                        | etizolam                                                 |
| 3M3DPH  | Benzodiazepine derivative                        | Etizolam                                                 |
| 3VTYVF  | Benzodiazepine derivative                        | Etizolam                                                 |
| 3ZMTU3  | Synthetic substance detected (no group selected) | Etizolam, a schedule I controlled non-narcotic substance |
| 49WH92  | Benzodiazepine derivative                        | Etizolam                                                 |
| 4CYH9Y  | Benzodiazepine derivative                        | Etizolam                                                 |
| 4HNXW6  | Benzodiazepine derivative                        | Etizolam                                                 |
| 62UVU7  | Benzodiazepine derivative                        | Etizolam                                                 |
| 63NGMX  | Benzodiazepine derivative                        | Contains Etizolam                                        |
| 7DMVL2  | Benzodiazepine derivative                        | etizolam                                                 |
| 7F9FQ6  | Benzodiazepine derivative                        | Etizolam                                                 |
| 7MARPM  | Benzodiazepine derivative                        | Etizolam                                                 |
| 7Q7JTD  | Benzodiazepine derivative                        | etizolam                                                 |
| 8LR3Z2  | Benzodiazepine derivative                        | Etizolam                                                 |
| 8WTQTX  | Benzodiazepine derivative                        | Etizolam                                                 |
| 93YJK9  | Benzodiazepine derivative                        | Etizolam                                                 |
| 96L4PC  | Benzodiazepine derivative                        | Etizolam                                                 |
| 9X6KBJ  | Benzodiazepine derivative                        | ETIZOLAM                                                 |
| AB4QZ9  | Benzodiazepine derivative                        | Etizolam                                                 |
| AE9EGJ  | Benzodiazepine derivative                        | ETIZOLAM                                                 |
| B2T7UG  | Benzodiazepine derivative                        | Etizolam                                                 |
| B3MWXB  | Benzodiazepine derivative                        | Etizolam                                                 |

TABLE 1a - Item 1 Results

Item Contents: Etizolam

| WebCode | Synthetic Drug Group Detected                    | Synthetic Drug Detected |
|---------|--------------------------------------------------|-------------------------|
| B9FY4V  | Benzodiazepine derivative                        | Etizolam                |
| BLJ3QB  | Benzodiazepine derivative                        | etizolam                |
| CKNYEF  | Synthetic substance detected (no group selected) | Etizolam                |
| CTH49G  | Benzodiazepine derivative                        | etizolam                |
| D8VYYW  | Benzodiazepine derivative                        | Etizolam                |
| DF9QPV  | Benzodiazepine derivative                        | etizolam                |
| E2MVNP  | Synthetic substance detected (no group selected) | Etizolam                |
| E3DWRR  | Synthetic substance detected (no group selected) | Etizolam                |
| E93GV8  | Benzodiazepine derivative                        | Etizolam                |
| ECH48R  | Benzodiazepine derivative                        | Etizolam                |
| FE7ZBC  | Benzodiazepine derivative                        | etizolam                |
| FH6B8B  | Synthetic substance detected (no group selected) | Etizolam                |
| FJZU9D  | Benzodiazepine derivative                        | Etizolam                |
| FW8MX4  | Benzodiazepine derivative                        | Etizolam                |
| FZKK8C  | Benzodiazepine derivative                        | Etizolam                |
| G3PDZP  | Benzodiazepine derivative                        | etizolam                |
| GKNPBC  | Benzodiazepine derivative                        | etizolam                |
| GWZVJT  | Benzodiazepine derivative                        | ETIZOLAM                |
| H3JHR4  | Benzodiazepine derivative                        | Etizolam                |
| H7JTM4  | Benzodiazepine derivative                        | Etizolam                |
| H9CH8K  | Benzodiazepine derivative                        | Etizolam                |
| HPY3N4  | Benzodiazepine derivative                        | Etizolam                |
| HYNNVM  | Synthetic substance detected (no group selected) | Etizolam                |
| J8VM6P  | Benzodiazepine derivative                        | Etizolam                |
| JBDAC3  | Benzodiazepine derivative                        | etizolam                |
| JNYGCN  | Benzodiazepine derivative                        | Etizolam                |
| JQL2GT  | Benzodiazepine derivative                        | Etizolam                |
| K49QRH  | Benzodiazepine derivative                        | Etizolam                |
| KAGU3Q  | Benzodiazepine derivative                        | Etizolam                |
| KFKXRP  | Benzodiazepine derivative                        | Etizolam                |

TABLE 1a - Item 1 Results

Item Contents: Etizolam

| WebCode | Synthetic Drug Group Detected                    | Synthetic Drug Detected                                                                             |
|---------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| KGH7Z9  | Benzodiazepine derivative                        | etizolam                                                                                            |
| KHBYVR  | Benzodiazepine derivative                        | ETIZOLAM                                                                                            |
| KW8B4W  | Benzodiazepine derivative                        | etizolam (4-(2-Chlorophenyl)-2-ethyl-9-methyl-6H-thieno[3,2-f][1,2,4]triazolo[4,3-a][1,4]diazepine) |
| L8MMVY  | Synthetic substance detected (no group selected) | Etizolam                                                                                            |
| LCJANM  | Benzodiazepine derivative                        | Etizolam                                                                                            |
| LFXPGZ  | Benzodiazepine derivative                        | Etizolam                                                                                            |
| LQXF28  | Benzodiazepine derivative                        | Etizolam                                                                                            |
| MXCLBJ  | Benzodiazepine derivative                        | ETIZOLAM                                                                                            |
| N98DWF  | Synthetic substance detected (no group selected) | Etizolam                                                                                            |
| N9TPWN  | Benzodiazepine derivative                        | Etizolam                                                                                            |
| NR84F4  | Benzodiazepine derivative                        | Etizolam                                                                                            |
| P3Z7TW  | Benzodiazepine derivative                        | Etizolam                                                                                            |
| PEP4UU  | Benzodiazepine derivative                        | Etizolam                                                                                            |
| PPB84F  | Synthetic substance detected (no group selected) | Etizolam                                                                                            |
| PTBHXU  | Synthetic substance detected (no group selected) | Etizolam                                                                                            |
| PX6CVV  | Synthetic substance detected (no group selected) | Contains Etizolam                                                                                   |
| QBBM3H  | Benzodiazepine derivative                        | Etizolam                                                                                            |
| QH8KPK  | Benzodiazepine derivative                        | Etizolam                                                                                            |
| QNW37G  | Benzodiazepine derivative                        | Etizolam                                                                                            |
| QQJGUR  | Benzodiazepine derivative                        | etizolam                                                                                            |
| QRVE2G  | Benzodiazepine derivative                        | Etizolam                                                                                            |
| QTQW4H  | Benzodiazepine derivative                        | Etizolam                                                                                            |
| QUJTPQ  | Benzodiazepine derivative                        | Etizolam                                                                                            |
| QXMNBF  | Benzodiazepine derivative                        | etizolam                                                                                            |
| QZNRVY  | Benzodiazepine derivative                        | Etizolam                                                                                            |
| R3AV8T  | Benzodiazepine derivative                        | Etizolam                                                                                            |
| RNTX4D  | Synthetic substance detected (no group selected) | Etizolam                                                                                            |
| RVPUQF  | Benzodiazepine derivative                        | etizolam                                                                                            |
| RYDAFQ  | Benzodiazepine derivative                        | Etizolam                                                                                            |

TABLE 1a - Item 1 Results

Item Contents: Etizolam

| WebCode | Synthetic Drug Group Detected                    | Synthetic Drug Detected |
|---------|--------------------------------------------------|-------------------------|
| RZ63G2  | Synthetic substance detected (no group selected) | Etizolam                |
| T7NPMQ  | Benzodiazepine derivative                        | etizolam                |
| T8J9NR  | Benzodiazepine derivative                        | Etizolam                |
| T9XV3Z  | Benzodiazepine derivative                        | Etizolam                |
| TFWHUZ  | Benzodiazepine derivative                        | Etizolam                |
| TGPBPH  | Benzodiazepine derivative                        | Etizolam                |
| U2AAVD  | Benzodiazepine derivative                        | Etizolam                |
| UK63FC  | Benzodiazepine derivative                        | Etizolam                |
| UTY8AD  | Benzodiazepine derivative                        | Etizolam                |
| UXDN2P  | Benzodiazepine derivative                        | Etizolam                |
| V2NHWD  | Benzodiazepine derivative                        | Etizolam                |
| VFQMNY  | Benzodiazepine derivative                        | Etizolam                |
| VXAH28  | Benzodiazepine derivative                        | Etizolam                |
| W3WTQV  | Benzodiazepine derivative                        | ETIZOLAM                |
| WC2Z7V  | Benzodiazepine derivative                        | Etizolam                |
| WCMDU9  | Benzodiazepine derivative                        | Etizolam                |
| WP8TX8  | Synthetic substance detected (no group selected) | etizolam                |
| WT86T8  | Synthetic substance detected (no group selected) | Etizolam                |
| X6JQFD  | Benzodiazepine derivative                        | Etizolam                |
| XEM4C8  | Benzodiazepine derivative                        | etizolam                |
| XH67JD  | Benzodiazepine derivative                        | Etizolam                |
| XJHXA9  | Benzodiazepine derivative                        | Etizolam                |
| XL4HED  | Benzodiazepine derivative                        | Etizolam                |
| XNWD2L  | Benzodiazepine derivative                        | Etizolam                |
| XRAB8M  | Benzodiazepine derivative                        | Etizolam                |
| XXZKJ8  | Benzodiazepine derivative                        | Etizolam                |
| XZ3N99  | Benzodiazepine derivative                        | Etizolam                |
| Y2FHMM  | Benzodiazepine derivative                        | Etizolam                |
| YBF6EK  | Benzodiazepine derivative                        | Etizolam                |
| YLZCDA  | Benzodiazepine derivative                        | etizolam                |

TABLE 1a - Item 1 Results

Item Contents: Etizolam

| WebCode | Synthetic Drug Group Detected | Synthetic Drug Detected |
|---------|-------------------------------|-------------------------|
| YNNQ2J  | Benzodiazepine derivative     | etizolam                |
| YPXX6C  | Benzodiazepine derivative     | Etizolam                |
| YQFK4U  | Benzodiazepine derivative     | Etizolam                |
| YXF644  | Benzodiazepine derivative     | Etizolam                |
| Z6UD67  | Benzodiazepine derivative     | Etizolam                |
| ZNLFL7  | Benzodiazepine derivative     | etizolam                |
| ZTZWDJ  | Benzodiazepine derivative     | etizolam                |

| Response Summary - Item 1      |                                                   | Participants: 124 |
|--------------------------------|---------------------------------------------------|-------------------|
| Synthetic Drug Group Detected: | Benzodiazepine derivative:                        | 108               |
|                                | Synthetic substance detected (no group selected): | 16                |
|                                | No synthetic substance(s) detected/identified:    | 0                 |
|                                | Other:                                            | 0                 |
| Synthetic Drug Detected:       | Etizolam:                                         | 124               |
|                                | Other:                                            | 0                 |

# Examination Methods (Item 1)

TABLE 1b

| WebCode | GC | GC/MS | Color | FTIR | UV | TLC | LC | LC/MS | Micro | Other                         |
|---------|----|-------|-------|------|----|-----|----|-------|-------|-------------------------------|
| 2EAL4J  |    | ✓     |       |      |    |     |    |       |       |                               |
| 2HCHRT  | ✓  | ✓     |       | ✓    |    |     |    |       |       |                               |
| 2TWT36  | ✓  | ✓     |       |      |    |     |    |       |       |                               |
| 2WXWUR  |    | ✓     |       | ✓    |    |     |    |       |       | Raman spectroscopy            |
| 2XQQPB  |    | ✓     | ✓     | ✓    | ✓  |     |    |       |       |                               |
| 2ZW9QR  |    | ✓     |       |      |    |     |    |       |       |                               |
| 34QPFQ  |    | ✓     |       | ✓    |    |     |    |       |       |                               |
| 3M3DPH  |    | ✓     |       |      | ✓  |     |    |       |       |                               |
| 3VTYVF  |    | ✓     |       | ✓    | ✓  |     |    |       |       | Electronic Balance            |
| 3ZMTU3  |    | ✓     | ✓     |      |    |     |    |       |       |                               |
| 49WH92  |    | ✓     |       | ✓    |    |     |    |       |       |                               |
| 4CYH9Y  | ✓  | ✓     | ✓     | ✓    |    |     |    |       |       |                               |
| 4HNXW6  | ✓  | ✓     |       | ✓    |    |     |    |       |       |                               |
| 62UVU7  |    | ✓     |       |      |    |     |    |       |       |                               |
| 63NGMX  | ✓  | ✓     | ✓     |      |    |     |    |       |       | Retention time                |
| 7DMVL2  |    |       | ✓     |      |    |     |    | ✓     |       |                               |
| 7F9FQ6  |    | ✓     |       | ✓    |    |     |    |       |       |                               |
| 7MARPM  |    | ✓     | ✓     |      |    |     |    |       |       |                               |
| 7Q7JTD  | ✓  | ✓     | ✓     |      |    |     |    |       |       |                               |
| 8LR3Z2  |    | ✓     | ✓     |      |    |     |    |       |       |                               |
| 8WTQTX  | ✓  | ✓     |       |      |    |     |    |       |       |                               |
| 93YJK9  |    | ✓     | ✓     | ✓    |    |     |    | ✓     |       |                               |
| 96L4PC  |    | ✓     |       | ✓    |    |     |    |       |       |                               |
| 9X6KBJ  |    | ✓     |       |      |    |     |    |       |       |                               |
| AB4QZ9  |    | ✓     |       |      |    |     |    |       |       | Visual Examination,<br>Weight |
| AE9EGJ  |    | ✓     | ✓     |      |    |     |    |       |       |                               |
| B2T7UG  |    | ✓     | ✓     |      |    |     |    |       |       |                               |
| B3MWXB  |    | ✓     | ✓     | ✓    | ✓  |     |    |       |       |                               |
| B9FY4V  |    | ✓     |       |      |    |     |    |       |       |                               |
| BLJ3QB  |    | ✓     | ✓     |      | ✓  |     |    |       |       |                               |
| CKNYEF  |    | ✓     | ✓     |      |    |     |    |       |       |                               |
| CTH49G  |    | ✓     | ✓     |      |    | ✓   |    |       |       |                               |
| D8VYYW  |    | ✓     | ✓     | ✓    |    |     |    |       |       |                               |
| DF9QPV  |    | ✓     |       |      |    |     |    |       |       |                               |
| E2MVNP  |    | ✓     |       |      |    |     |    |       |       | Immunoassay                   |
| E3DWRR  | ✓  | ✓     |       |      |    |     |    |       |       |                               |

TABLE 1b - Item 1 Examination Methods

| WebCode | GC | GC/MS | Color | FTIR | UV | TLC | LC | LC/MS | Micro | Other          |
|---------|----|-------|-------|------|----|-----|----|-------|-------|----------------|
| E93GV8  |    | ✓     | ✓     |      | ✓  |     |    |       |       |                |
| ECH48R  | ✓  | ✓     | ✓     |      |    |     |    |       |       |                |
| FE7ZBC  |    | ✓     | ✓     |      |    |     |    |       |       |                |
| FH6B8B  |    | ✓     | ✓     |      |    |     |    |       |       |                |
| FJZU9D  |    | ✓     |       |      |    |     |    |       |       |                |
| FW8MX4  |    | ✓     |       |      | ✓  | ✓   |    |       |       |                |
| FZKK8C  | ✓  |       |       |      |    |     |    |       |       | NMR            |
| G3PDZP  |    | ✓     | ✓     | ✓    |    |     |    |       |       | GC-IR          |
| GKNPBC  |    | ✓     |       | ✓    |    |     |    |       |       |                |
| GWZVJT  | ✓  |       | ✓     | ✓    |    |     |    |       |       |                |
| H3JHR4  | ✓  |       | ✓     |      | ✓  |     |    |       |       |                |
| H7JTM4  |    | ✓     | ✓     |      | ✓  |     |    |       |       |                |
| H9CH8K  |    | ✓     | ✓     | ✓    | ✓  |     |    |       |       |                |
| HPY3N4  |    | ✓     | ✓     | ✓    | ✓  |     |    |       |       | Retention Time |
| HYNNVM  |    | ✓     |       | ✓    |    |     |    |       |       | Raman          |
| J8VM6P  |    | ✓     | ✓     | ✓    |    |     |    |       |       |                |
| JBDAC3  |    | ✓     | ✓     | ✓    |    |     |    |       |       |                |
| JNYGCN  |    | ✓     | ✓     |      |    |     |    |       |       |                |
| JQL2GT  |    | ✓     | ✓     |      |    |     |    |       |       |                |
| K49QRH  |    | ✓     | ✓     | ✓    | ✓  |     |    |       |       |                |
| KAGU3Q  |    | ✓     | ✓     | ✓    |    |     |    |       |       |                |
| KFKXRP  |    | ✓     | ✓     | ✓    |    |     |    |       |       |                |
| KGH7Z9  |    | ✓     |       | ✓    |    |     |    |       |       |                |
| KHBYVR  |    | ✓     | ✓     |      |    |     |    |       |       |                |
| KW8B4W  |    | ✓     | ✓     |      |    |     |    |       |       |                |
| L8MMVY  |    | ✓     | ✓     |      | ✓  |     |    |       |       |                |
| LCJANM  |    | ✓     |       |      |    |     |    | ✓     |       |                |
| LFXPGZ  |    | ✓     | ✓     |      | ✓  |     |    |       |       |                |
| LQXF28  |    | ✓     | ✓     |      |    |     |    |       |       |                |
| MXCLBJ  |    | ✓     | ✓     |      |    |     |    |       |       |                |
| N98DWF  |    | ✓     | ✓     |      |    |     |    |       |       |                |
| N9TPWN  |    | ✓     |       | ✓    |    |     |    |       |       | LC/MS/Qtof     |
| NR84F4  | ✓  | ✓     |       | ✓    |    |     |    |       |       |                |
| P3Z7TW  |    | ✓     | ✓     |      | ✓  |     |    |       |       |                |
| PEP4UU  |    | ✓     | ✓     | ✓    |    |     |    |       |       |                |
| PPB84F  |    | ✓     |       | ✓    |    |     |    |       |       |                |
| PTBHXU  |    | ✓     |       | ✓    |    |     |    |       | ✓     |                |
| PX6CVV  |    | ✓     | ✓     | ✓    | ✓  |     |    |       |       |                |

TABLE 1b - Item 1 Examination Methods

| WebCode | GC | GC/MS | Color | FTIR | UV | TLC | LC | LC/MS | Micro | Other          |
|---------|----|-------|-------|------|----|-----|----|-------|-------|----------------|
| QBBM3H  |    | ✓     | ✓     |      |    |     |    |       |       |                |
| QH8KPK  |    | ✓     |       |      |    |     |    |       |       |                |
| QNW37G  |    | ✓     |       |      |    |     |    |       |       |                |
| QQJGUR  | ✓  | ✓     | ✓     |      |    |     |    |       |       |                |
| QRVE2G  |    | ✓     |       | ✓    |    |     |    |       |       |                |
| QTQW4H  | ✓  | ✓     |       |      |    |     |    | ✓     |       |                |
| QUJTPQ  |    | ✓     | ✓     |      |    |     |    |       |       |                |
| QXMNBF  | ✓  | ✓     |       |      |    |     |    |       |       |                |
| QZNRVY  |    | ✓     | ✓     |      | ✓  |     |    |       |       |                |
| R3AV8T  |    | ✓     | ✓     |      | ✓  |     |    |       |       |                |
| RNTX4D  |    | ✓     | ✓     |      |    |     |    |       |       |                |
| RVPUQF  |    | ✓     |       | ✓    |    |     |    |       |       | Raman          |
| RYDAFQ  |    | ✓     |       |      | ✓  | ✓   |    |       |       |                |
| RZ63G2  |    | ✓     |       |      |    |     |    |       |       | SFC/MS         |
| T7NPMQ  |    | ✓     |       |      | ✓  |     | ✓  |       |       |                |
| T8J9NR  | ✓  | ✓     | ✓     |      |    |     |    |       |       |                |
| T9XV3Z  | ✓  | ✓     | ✓     | ✓    |    |     |    |       |       |                |
| TFWHUZ  |    | ✓     |       |      |    |     |    |       |       |                |
| TGPBPH  |    | ✓     |       | ✓    |    |     |    |       |       |                |
| U2AAVD  |    | ✓     | ✓     |      |    |     |    |       |       |                |
| UK63FC  | ✓  | ✓     |       |      |    |     |    |       |       |                |
| UTY8AD  |    | ✓     | ✓     | ✓    |    |     |    |       |       |                |
| UXDN2P  |    | ✓     |       |      | ✓  |     |    |       |       |                |
| V2NHWD  | ✓  | ✓     |       |      |    |     |    |       |       |                |
| VFQMNY  |    | ✓     | ✓     |      |    |     |    |       |       |                |
| VXAH28  |    | ✓     |       | ✓    | ✓  |     |    |       |       |                |
| W3WTQV  |    | ✓     | ✓     |      |    |     |    |       |       |                |
| WC2Z7V  |    | ✓     |       |      |    |     |    |       |       |                |
| WCMDU9  |    | ✓     |       |      |    |     |    |       |       |                |
| WP8TX8  |    | ✓     |       | ✓    |    |     |    |       |       |                |
| WT86T8  |    | ✓     |       | ✓    |    |     |    |       |       |                |
| X6JQFD  |    | ✓     |       |      |    |     |    |       |       |                |
| XEM4C8  | ✓  | ✓     |       |      |    |     |    |       |       |                |
| XH67JD  |    | ✓     | ✓     |      |    |     |    |       |       |                |
| XJHXA9  |    | ✓     | ✓     |      |    |     |    |       |       |                |
| XL4HED  |    | ✓     | ✓     | ✓    |    |     |    |       |       | RADIAN ASAP-MS |
| XNWD2L  |    | ✓     |       |      | ✓  |     | ✓  |       |       |                |
| XRAB8M  |    | ✓     | ✓     |      | ✓  |     |    |       |       |                |

TABLE 1b - Item 1 Examination Methods

| WebCode | GC | GC/MS | Color | FTIR | UV | TLC | LC | LC/MS | Micro | Other              |
|---------|----|-------|-------|------|----|-----|----|-------|-------|--------------------|
| XXZKJ8  |    | ✓     | ✓     | ✓    |    |     |    |       |       |                    |
| XZ3N99  | ✓  | ✓     | ✓     | ✓    |    |     |    |       |       |                    |
| Y2FHMM  |    | ✓     | ✓     |      | ✓  |     |    |       |       |                    |
| YBF6EK  |    | ✓     |       | ✓    |    |     |    |       |       | GC/IR              |
| YLZCDA  |    | ✓     |       | ✓    |    |     |    |       |       |                    |
| YNNQ2J  |    | ✓     |       |      | ✓  | ✓   |    |       |       |                    |
| YPXX6C  |    | ✓     |       |      |    |     |    |       |       |                    |
| YQFK4U  |    | ✓     |       | ✓    |    |     |    |       |       |                    |
| YXF644  |    | ✓     |       |      |    |     |    |       |       | Retention Time     |
| Z6UD67  |    | ✓     |       |      |    |     |    |       |       |                    |
| ZNLFL7  |    | ✓     |       |      |    |     |    |       |       |                    |
| ZTZWDJ  | ✓  |       |       |      | ✓  |     |    |       |       | Electronic balance |

| Response Summary |     |       |       |      |     |     |    |       | Total Participants: 124 |  |
|------------------|-----|-------|-------|------|-----|-----|----|-------|-------------------------|--|
|                  | GC  | GC/MS | Color | FTIR | UV  | TLC | LC | LC/MS | Micro                   |  |
| Participants     | 23  | 119   | 62    | 45   | 27  | 4   | 3  | 4     | 0                       |  |
| Percent          | 19% | 96%   | 50%   | 36%  | 22% | 3%  | 2% | 3%    | 0%                      |  |

## Synthetic Drug Analysis (Item 2)

TABLE 2a - Item 2 Results  
Item Contents: No synthetic drugs added

| WebCode | Synthetic Drug Group Detected              | Synthetic Drug Detected |
|---------|--------------------------------------------|-------------------------|
| 2EAL4J  | No synthetic substance detected/identified |                         |
| 2HCHRT  | No synthetic substance detected/identified |                         |
| 2TWT36  | No synthetic substance detected/identified |                         |
| 2WXWUR  | No synthetic substance detected/identified |                         |
| 2XQQPB  | No synthetic substance detected/identified |                         |
| 2ZW9QR  | No synthetic substance detected/identified |                         |
| 34QPFQ  | No synthetic substance detected/identified |                         |
| 3M3DPH  | No synthetic substance detected/identified |                         |
| 3VTYVF  | No synthetic substance detected/identified |                         |
| 3ZMTU3  | No synthetic substance detected/identified |                         |
| 49WH92  | No synthetic substance detected/identified |                         |
| 4CYH9Y  | No synthetic substance detected/identified |                         |
| 4HNXW6  | No synthetic substance detected/identified |                         |
| 62UVU7  | No synthetic substance detected/identified |                         |
| 63NGMX  | No synthetic substance detected/identified |                         |
| 7DMVL2  | No synthetic substance detected/identified |                         |
| 7F9FQ6  | No synthetic substance detected/identified |                         |
| 7MARPM  | No synthetic substance detected/identified |                         |
| 7Q7JTD  | No synthetic substance detected/identified |                         |
| 8LR3Z2  | No synthetic substance detected/identified |                         |
| 8WTQTX  | No synthetic substance detected/identified |                         |
| 93YJK9  | No synthetic substance detected/identified |                         |
| 96L4PC  | No synthetic substance detected/identified |                         |
| 9X6KBJ  | No synthetic substance detected/identified |                         |
| AB4QZ9  | No synthetic substance detected/identified |                         |
| AE9EGJ  | No synthetic substance detected/identified |                         |
| B2T7UG  | No synthetic substance detected/identified |                         |
| B3MWXB  | No synthetic substance detected/identified |                         |
| B9FY4V  | No synthetic substance detected/identified |                         |

**TABLE 2a - Item 2 Results**  
**Item Contents:** No synthetic drugs added

| WebCode | Synthetic Drug Group Detected              | Synthetic Drug Detected |
|---------|--------------------------------------------|-------------------------|
| BLJ3QB  | No synthetic substance detected/identified |                         |
| CKNYEF  | No synthetic substance detected/identified |                         |
| CTH49G  | No synthetic substance detected/identified |                         |
| D8VYYW  | No synthetic substance detected/identified |                         |
| DF9QPV  | No synthetic substance detected/identified |                         |
| E2MVNP  | No synthetic substance detected/identified |                         |
| E3DWRR  | No synthetic substance detected/identified |                         |
| E93GV8  | No synthetic substance detected/identified |                         |
| ECH48R  | No synthetic substance detected/identified |                         |
| FE7ZBC  | No synthetic substance detected/identified |                         |
| FH6B8B  | No synthetic substance detected/identified |                         |
| FJZU9D  | No synthetic substance detected/identified |                         |
| FW8MX4  | No synthetic substance detected/identified |                         |
| FZKK8C  | No synthetic substance detected/identified |                         |
| G3PDZP  | No synthetic substance detected/identified |                         |
| GKNPBC  | No synthetic substance detected/identified |                         |
| GWZVJT  | No synthetic substance detected/identified |                         |
| H3JHR4  | No synthetic substance detected/identified |                         |
| H7JTM4  | No synthetic substance detected/identified |                         |
| H9CH8K  | No synthetic substance detected/identified |                         |
| HPY3N4  | No synthetic substance detected/identified |                         |
| HYNNVM  | No synthetic substance detected/identified |                         |
| J8VM6P  | No synthetic substance detected/identified |                         |
| JBDAC3  | No synthetic substance detected/identified |                         |
| JNYGCN  | No synthetic substance detected/identified |                         |
| JQL2GT  | No synthetic substance detected/identified |                         |
| K49QRH  | No synthetic substance detected/identified |                         |
| KAGU3Q  | No synthetic substance detected/identified |                         |
| KFKXRP  | No synthetic substance detected/identified |                         |
| KGH7Z9  | No synthetic substance detected/identified |                         |

TABLE 2a - Item 2 Results  
Item Contents: No synthetic drugs added

| WebCode | Synthetic Drug Group Detected              | Synthetic Drug Detected |
|---------|--------------------------------------------|-------------------------|
| KHBYVR  | No synthetic substance detected/identified |                         |
| KW8B4W  | No synthetic substance detected/identified |                         |
| L8MMVY  | No synthetic substance detected/identified |                         |
| LCJANM  | No synthetic substance detected/identified |                         |
| LFXPGZ  | No synthetic substance detected/identified |                         |
| LQXF28  | No synthetic substance detected/identified |                         |
| MXCLBJ  | No synthetic substance detected/identified |                         |
| N98DWF  | No synthetic substance detected/identified |                         |
| N9TPWN  | No synthetic substance detected/identified |                         |
| NR84F4  | No synthetic substance detected/identified |                         |
| P3Z7TW  | No synthetic substance detected/identified |                         |
| PEP4UU  | No synthetic substance detected/identified |                         |
| PPB84F  | No synthetic substance detected/identified |                         |
| PTBHXU  | No synthetic substance detected/identified |                         |
| PX6CVV  | No synthetic substance detected/identified |                         |
| QBBM3H  | No synthetic substance detected/identified |                         |
| QH8KPK  | No synthetic substance detected/identified |                         |
| QNW37G  | No synthetic substance detected/identified |                         |
| QQJGUR  | No synthetic substance detected/identified |                         |
| QRVE2G  | No synthetic substance detected/identified |                         |
| QTQW4H  | No synthetic substance detected/identified |                         |
| QUJTPQ  | No synthetic substance detected/identified |                         |
| QXMNBF  | No synthetic substance detected/identified |                         |
| QZNRVY  | No synthetic substance detected/identified |                         |
| R3AV8T  | No synthetic substance detected/identified |                         |
| RNTX4D  | No synthetic substance detected/identified |                         |
| RVPUQF  | No synthetic substance detected/identified |                         |
| RYDAFQ  | No synthetic substance detected/identified |                         |
| RZ63G2  | No synthetic substance detected/identified |                         |
| T7NPMQ  | No synthetic substance detected/identified |                         |

**TABLE 2a - Item 2 Results**  
**Item Contents:** No synthetic drugs added

| WebCode | Synthetic Drug Group Detected              | Synthetic Drug Detected |
|---------|--------------------------------------------|-------------------------|
| T8J9NR  | No synthetic substance detected/identified |                         |
| T9XV3Z  | No synthetic substance detected/identified |                         |
| TFWHUZ  | No synthetic substance detected/identified |                         |
| TGPBPH  | No synthetic substance detected/identified |                         |
| U2AAVD  | No synthetic substance detected/identified |                         |
| UK63FC  | No synthetic substance detected/identified |                         |
| UTY8AD  | No synthetic substance detected/identified |                         |
| UXDN2P  | No synthetic substance detected/identified |                         |
| V2NHWD  | No synthetic substance detected/identified |                         |
| VFQMNY  | No synthetic substance detected/identified |                         |
| VXAH28  | No synthetic substance detected/identified |                         |
| W3WTQV  | No synthetic substance detected/identified |                         |
| WC2Z7V  | No synthetic substance detected/identified |                         |
| WCMDU9  | No synthetic substance detected/identified |                         |
| WP8TX8  | No synthetic substance detected/identified |                         |
| WT86T8  | No synthetic substance detected/identified |                         |
| X6JQFD  | No synthetic substance detected/identified |                         |
| XEM4C8  | No synthetic substance detected/identified |                         |
| XH67JD  | No synthetic substance detected/identified |                         |
| XJXA9   | No synthetic substance detected/identified |                         |
| XL4HED  | No synthetic substance detected/identified |                         |
| XNWD2L  | No synthetic substance detected/identified |                         |
| XRAB8M  | No synthetic substance detected/identified |                         |
| XXZKJ8  | No synthetic substance detected/identified |                         |
| XZ3N99  | No synthetic substance detected/identified |                         |
| Y2FHMM  | No synthetic substance detected/identified |                         |
| YBF6EK  | No synthetic substance detected/identified |                         |
| YLZCDA  | No synthetic substance detected/identified |                         |
| YNNQ2J  | No synthetic substance detected/identified |                         |
| YPXX6C  | No synthetic substance detected/identified |                         |

TABLE 2a - Item 2 Results  
Item Contents: No synthetic drugs added

| WebCode | Synthetic Drug Group Detected              | Synthetic Drug Detected |
|---------|--------------------------------------------|-------------------------|
| YQFK4U  | No synthetic substance detected/identified |                         |
| YXF644  | No synthetic substance detected/identified |                         |
| Z6UD67  | No synthetic substance detected/identified |                         |
| ZNLFL7  | No synthetic substance detected/identified |                         |
| ZTZWDJ  | No synthetic substance detected/identified |                         |

| Response Summary - Item 2      |                                                   | Participants: 124 |
|--------------------------------|---------------------------------------------------|-------------------|
| Synthetic Drug Group Detected: | Synthetic substance detected (no group selected): | 0                 |
|                                | No synthetic substance(s) detected/identified:    | 124               |
|                                | Other:                                            | 0                 |

# Examination Methods (Item 2)

TABLE 2b

| WebCode | GC | GC/MS | Color | FTIR | UV | TLC | LC | LC/MS | Micro | Other                         |
|---------|----|-------|-------|------|----|-----|----|-------|-------|-------------------------------|
| 2EAL4J  |    | ✓     |       |      |    |     |    |       |       |                               |
| 2HCHRT  | ✓  | ✓     |       | ✓    |    |     |    |       |       |                               |
| 2TWT36  | ✓  | ✓     |       |      |    |     |    |       |       |                               |
| 2WXWUR  |    | ✓     |       | ✓    |    |     |    |       |       | Raman spectroscopy            |
| 2XQQPB  |    | ✓     | ✓     | ✓    | ✓  |     |    |       |       |                               |
| 2ZW9QR  |    | ✓     |       |      |    |     |    |       |       |                               |
| 34QPFQ  |    | ✓     |       | ✓    |    |     |    |       |       |                               |
| 3M3DPH  |    | ✓     |       | ✓    | ✓  |     |    |       |       |                               |
| 3VTYVF  |    | ✓     |       |      | ✓  |     | ✓  |       |       | Electronic Balance            |
| 3ZMTU3  |    | ✓     | ✓     |      |    |     |    |       |       |                               |
| 49WH92  |    | ✓     |       | ✓    |    |     |    |       |       |                               |
| 4CYH9Y  |    | ✓     | ✓     | ✓    | ✓  |     |    |       |       |                               |
| 4HNXW6  | ✓  | ✓     |       | ✓    |    |     |    |       |       |                               |
| 62UVU7  |    | ✓     |       | ✓    |    |     |    |       |       |                               |
| 63NGMX  |    | ✓     | ✓     |      |    |     |    |       |       |                               |
| 7DMVL2  |    |       | ✓     |      |    |     |    | ✓     |       |                               |
| 7F9FQ6  |    | ✓     |       | ✓    |    |     |    |       |       |                               |
| 7MARPM  |    | ✓     | ✓     |      |    |     |    |       |       |                               |
| 7Q7JTD  | ✓  | ✓     | ✓     |      |    |     |    |       |       |                               |
| 8LR3Z2  |    | ✓     | ✓     |      |    |     |    |       |       |                               |
| 8WTQTX  | ✓  | ✓     |       |      |    |     |    |       |       |                               |
| 93YJK9  |    | ✓     | ✓     | ✓    |    |     |    | ✓     |       |                               |
| 96L4PC  |    | ✓     |       | ✓    |    |     |    |       |       |                               |
| 9X6KBJ  |    | ✓     |       |      |    |     |    |       |       |                               |
| AB4QZ9  |    | ✓     |       | ✓    |    |     |    |       |       | Visual Examination,<br>Weight |
| AE9EGJ  |    | ✓     | ✓     |      |    |     |    |       |       |                               |
| B2T7UG  |    | ✓     | ✓     |      |    |     |    |       |       |                               |
| B3MWXB  |    | ✓     | ✓     | ✓    |    |     |    |       |       |                               |
| B9FY4V  |    | ✓     |       |      |    |     |    |       |       |                               |
| BLJ3QB  |    | ✓     | ✓     | ✓    |    |     |    |       |       |                               |
| CKNYEF  |    | ✓     | ✓     |      |    |     |    |       |       |                               |
| CTH49G  |    | ✓     | ✓     |      |    |     |    |       |       |                               |
| D8VYYW  |    | ✓     | ✓     | ✓    |    |     |    |       |       |                               |
| DF9QPV  |    | ✓     |       |      |    |     |    |       |       |                               |
| E2MVNP  |    | ✓     |       |      |    |     |    |       |       | Immunoassay                   |
| E3DWRR  | ✓  | ✓     |       |      |    |     |    |       |       |                               |

TABLE 2b - Item 2 Examination Methods

| WebCode | GC | GC/MS | Color | FTIR | UV | TLC | LC | LC/MS | Micro | Other      |
|---------|----|-------|-------|------|----|-----|----|-------|-------|------------|
| E93GV8  |    | ✓     | ✓     | ✓    | ✓  |     |    |       |       |            |
| ECH48R  |    | ✓     | ✓     | ✓    |    |     |    |       |       |            |
| FE7ZBC  |    | ✓     | ✓     |      |    |     |    |       |       |            |
| FH6B8B  |    | ✓     | ✓     |      |    |     |    |       |       |            |
| FJZU9D  |    | ✓     |       |      |    |     |    |       |       |            |
| FW8MX4  |    | ✓     |       |      |    | ✓   | ✓  |       |       |            |
| FZKK8C  | ✓  |       |       |      |    |     |    |       |       | NMR        |
| G3PDZP  |    | ✓     | ✓     | ✓    |    |     |    | ✓     |       |            |
| GKNPBC  |    | ✓     |       | ✓    |    |     |    |       |       |            |
| GWZVJT  | ✓  |       | ✓     | ✓    |    |     |    |       |       |            |
| H3JHR4  | ✓  |       | ✓     |      | ✓  |     |    |       |       |            |
| H7JTM4  |    | ✓     | ✓     | ✓    | ✓  |     |    |       |       |            |
| H9CH8K  |    | ✓     | ✓     | ✓    | ✓  |     |    |       |       |            |
| HPY3N4  |    | ✓     | ✓     | ✓    | ✓  |     |    |       |       |            |
| HYNNVM  |    | ✓     |       | ✓    |    |     |    |       |       | Raman      |
| J8VM6P  |    | ✓     | ✓     | ✓    |    |     |    |       |       |            |
| JBDAC3  |    | ✓     | ✓     | ✓    |    |     |    |       |       |            |
| JNYGCN  |    | ✓     | ✓     | ✓    |    |     |    |       |       |            |
| JQL2GT  |    | ✓     | ✓     |      |    |     |    |       |       |            |
| K49QRH  |    | ✓     | ✓     | ✓    | ✓  |     |    |       |       |            |
| KAGU3Q  |    | ✓     | ✓     | ✓    |    |     |    |       |       |            |
| KFKXRP  |    | ✓     | ✓     | ✓    |    |     |    |       |       |            |
| KGH7Z9  |    | ✓     |       | ✓    |    |     |    |       |       |            |
| KHBYVR  |    | ✓     | ✓     |      |    |     |    |       |       |            |
| KW8B4W  |    | ✓     | ✓     |      |    |     |    |       |       |            |
| L8MMVY  |    | ✓     | ✓     |      | ✓  |     |    |       |       |            |
| LCJANM  |    | ✓     |       |      |    |     | ✓  |       |       |            |
| LFXPGZ  |    | ✓     | ✓     | ✓    | ✓  |     |    |       |       |            |
| LQXF28  |    | ✓     | ✓     |      |    |     |    |       |       |            |
| MXCLBJ  |    | ✓     | ✓     |      |    |     |    |       |       |            |
| N98DWF  |    | ✓     | ✓     |      |    |     |    |       |       |            |
| N9TPWN  |    | ✓     |       | ✓    |    |     |    |       |       | LC/MS/Qtof |
| NR84F4  | ✓  | ✓     | ✓     |      |    |     |    |       |       |            |
| P3Z7TW  |    | ✓     | ✓     |      |    |     |    |       |       |            |
| PEP4UU  |    | ✓     | ✓     | ✓    |    |     |    |       |       |            |
| PPB84F  |    | ✓     |       | ✓    |    |     |    |       |       |            |
| PTBHXU  |    | ✓     |       | ✓    |    |     |    | ✓     |       |            |
| PX6CVV  |    | ✓     | ✓     | ✓    | ✓  |     |    |       |       |            |

TABLE 2b - Item 2 Examination Methods

| WebCode | GC | GC/MS | Color | FTIR | UV | TLC | LC | LC/MS | Micro | Other          |
|---------|----|-------|-------|------|----|-----|----|-------|-------|----------------|
| QBBM3H  |    | ✓     | ✓     |      |    |     |    |       |       |                |
| QH8KPK  |    | ✓     |       |      |    |     |    |       |       |                |
| QNW37G  |    | ✓     |       |      |    |     |    |       |       |                |
| QQJGUR  |    | ✓     | ✓     |      |    | ✓   |    |       |       |                |
| QRVE2G  |    | ✓     |       | ✓    |    |     |    |       |       |                |
| QTQW4H  | ✓  | ✓     |       | ✓    |    |     |    |       |       |                |
| QUJTPQ  |    | ✓     | ✓     | ✓    |    |     |    |       |       |                |
| QXMNBF  |    | ✓     |       | ✓    |    |     |    |       |       |                |
| QZNRVY  |    | ✓     | ✓     | ✓    | ✓  |     |    |       |       |                |
| R3AV8T  |    | ✓     | ✓     |      |    |     |    |       |       |                |
| RNTX4D  |    | ✓     | ✓     |      |    |     |    |       |       |                |
| RVPUQF  |    | ✓     |       | ✓    |    |     |    |       |       | Raman          |
| RYDAFQ  |    | ✓     |       |      |    | ✓   |    |       |       |                |
| RZ63G2  |    | ✓     |       |      |    |     |    |       |       | SFC/MS         |
| T7NPMQ  |    | ✓     |       |      |    |     |    | ✓     |       |                |
| T8J9NR  | ✓  |       | ✓     |      |    |     |    |       |       |                |
| T9XV3Z  | ✓  | ✓     | ✓     | ✓    |    |     |    |       |       |                |
| TFWHUZ  |    | ✓     |       |      |    |     |    |       |       |                |
| TGPBPH  |    | ✓     |       | ✓    |    |     |    |       |       |                |
| U2AAVD  |    | ✓     | ✓     |      |    |     |    |       |       |                |
| UK63FC  | ✓  | ✓     |       |      |    |     |    |       |       |                |
| UTY8AD  |    | ✓     | ✓     | ✓    |    |     |    |       |       |                |
| UXDN2P  |    | ✓     |       |      | ✓  |     |    |       |       |                |
| V2NHWD  | ✓  | ✓     |       | ✓    |    |     |    |       |       |                |
| VFQMNY  |    | ✓     | ✓     |      |    |     |    |       |       |                |
| VXAH28  |    | ✓     | ✓     | ✓    | ✓  |     |    |       |       |                |
| W3WTQV  |    | ✓     | ✓     |      |    |     |    |       |       |                |
| WC2Z7V  |    | ✓     |       |      |    |     |    |       |       |                |
| WCMDU9  |    | ✓     |       |      |    |     |    |       |       |                |
| WP8TX8  |    | ✓     |       | ✓    |    |     |    |       |       |                |
| WT86T8  |    | ✓     |       | ✓    |    |     |    |       |       |                |
| X6JQFD  |    | ✓     |       |      |    |     |    |       |       |                |
| XEM4C8  | ✓  | ✓     |       | ✓    |    |     |    |       |       |                |
| XH67JD  |    | ✓     | ✓     |      |    |     |    |       |       |                |
| XJHXA9  |    | ✓     | ✓     |      |    |     |    |       |       |                |
| XL4HED  |    | ✓     | ✓     | ✓    |    |     |    |       |       | RADIAN ASAP-MS |
| XNWD2L  |    | ✓     |       |      |    |     |    | ✓     |       |                |
| XRAB8M  |    | ✓     | ✓     | ✓    | ✓  |     |    |       |       |                |

TABLE 2b - Item 2 Examination Methods

| WebCode | GC | GC/MS | Color | FTIR | UV | TLC | LC | LC/MS | Micro | Other              |
|---------|----|-------|-------|------|----|-----|----|-------|-------|--------------------|
| XXZKJ8  |    | ✓     | ✓     | ✓    |    |     |    |       |       |                    |
| XZ3N99  | ✓  | ✓     | ✓     | ✓    |    |     |    |       |       |                    |
| Y2FHMM  |    | ✓     | ✓     |      | ✓  |     |    |       |       |                    |
| YBF6EK  |    | ✓     |       | ✓    |    |     |    | ✓     |       | XRPD               |
| YLZCDA  |    | ✓     |       | ✓    |    |     |    |       |       |                    |
| YNNQ2J  |    | ✓     |       |      |    | ✓   | ✓  |       |       |                    |
| YPXX6C  |    | ✓     |       |      |    |     |    |       |       |                    |
| YQFK4U  |    | ✓     |       | ✓    |    |     |    |       |       |                    |
| YXF644  |    | ✓     |       |      |    |     |    |       |       |                    |
| Z6UD67  |    | ✓     |       | ✓    |    |     |    |       |       |                    |
| ZNLFL7  |    | ✓     |       |      |    |     |    |       |       |                    |
| ZTZWDJ  |    |       |       |      | ✓  | ✓   |    |       |       | Electronic balance |

| Response Summary |     |       |       |      |     |     |    |       | Total Participants: 124 |  |
|------------------|-----|-------|-------|------|-----|-----|----|-------|-------------------------|--|
|                  | GC  | GC/MS | Color | FTIR | UV  | TLC | LC | LC/MS | Micro                   |  |
| Participants     | 17  | 118   | 64    | 60   | 19  | 5   | 6  | 5     | 0                       |  |
| Percent          | 14% | 95%   | 52%   | 48%  | 15% | 4%  | 5% | 4%    | 0%                      |  |

# Additional Comments

TABLE 3

| WebCode | Additional Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7Q7JTD  | For item 1: etizolam is not a controlled substance in [State], we do not report federal schedules.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 93YJK9  | Vitamin D was identified as a component of Item 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 96L4PC  | Dextrose indicated in FTIR data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| CTH49G  | A solid, powdery substance of green colour, presented for examination in a white paper package, contains the psychotropic substance etizolam. The mass of the substance, which contains the psychotropic substance - etizolam, is 0.224 g. In the solid, powdery substance of blue colour, presented for examination in a white paper package, with a mass of 0.237 g, no narcotic, psychotropic substances and/or their precursors from the NIST MS 2020 library were detected.                                                                                               |
| D8VYYW  | No further controlled drug was detected in Item 1, cellulose was indicated. No controlled drug was detected in Item 2, cellulose was detected.                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| DF9QPV  | Used both mass spectral data and retention time in the identification of item 1-1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| KAGU3Q  | Item 1: Reported as Etizolam a Class C drug under the [State Statute] as amended. Item 2: Reported as No controlled drugs detected.                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| QBBM3H  | The traceability of the sample during its transfer and transport was carried out under the chain of custody process of the judicial police and the issuance of the official request for analysis. Initially, we apply the approved preliminary identification tests, colorimetric analyses such as: Scott, Dragendorff, and Marquistests were performed for CTS test items 1 and 2. In addition, gas chromatography coupled with mass spectrometry detection allowed us to identify Etizolam in item 1, and no narcotic substances were detected in item 2                     |
| RNTX4D  | Item 1 contains Etizolam, a schedule I controlled non-narcotic substance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| TFWHUZ  | When the sample of Item-2 was dissolved in acetonitrile, the GC/MS technique could detect other analytes such as Butylated Hydroxy Toluene (BHT), which is a synthetic antioxidant, and alpha-Amyrone which appears to be a product derived from a natural plant. The the synthetic quinazolinone drug could, however, not be detected with the dissolution of Item-2 in acetonitrile using GC/MS technique on a different instrument.                                                                                                                                         |
| XH67JD  | The results report in both cases would be as follows: In the powdered solid received, the presence of any restricted drugs included in the scope of the screening method approved by the Controlled Substances Section was not identified or detected. (*) (*) Forensic testing accredited by ANAB under ISO/IEC 17025:2017 (the scope can be consulted at <a href="http://search.anab.org">http://search.anab.org</a> ) In item -1, Etizolam is not part of the scope of the validated methodology, for this reason it is not reported, but it is indicated in the work form. |

-End of Report-  
(Appendix may follow)

## Test No. 25-5041: Synthetic Drug Analysis

DATA MUST BE SUBMITTED BY **Sept. 29, 2025, 11:59 p.m. EDT** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: G2VR7Y

The Accreditation Release section can be accessed by using the "Continue to Final Submission" button above. This information can be entered at any time prior to submitting to CTS.

### Scenario:

An investigator has submitted two questioned samples for analysis, both of which appear to be a powdered substance. Please examine the samples and determine if any synthetic drugs are present.

### Items Submitted (Sample Pack SDA):

Item 1: First powdered substance

Item 2: Second powdered substance

### 1a.) Is a synthetic substance present in Item 1? If yes, report the substance.

☐ No synthetic substance detected/identified

☐ Synthetic Substance(s) detected/identified (please list below).

**Following your lab's protocols, list the synthetic drug group and/or synthetic drug present in the sample.**

Synthetic drug group  
(e.g. cathinones)

Synthetic drug  
(e.g. dibutylone)

### 1b.) What methods were used to examine Item 1?

(If color and/or crystal tests are used, please simply check the appropriate method below. Specific color and crystal tests will not be listed in the summary report.)

GC ☐  
GC/MS ☐

Color Tests ☐  
FTIR ☐

UV ☐  
TLC ☐

LC ☐  
LC/MS ☐

Microscopic ☐

Other (specify):

**2a.) Is a synthetic substance present in Item 2? If yes, report the substance.**

- ☐ No synthetic substance detected/identified
- ☐ Synthetic Substance(s) detected/identified (please list below).  
Following your lab's protocols, list the synthetic drug group and/or synthetic drug present in the sample.

Synthetic drug group  
(e.g. cathinones)

Synthetic drug  
(e.g. dibutylone)

**2b.) What methods were used to examine Item 2?**

(If color and/or crystal tests are used, please simply check the appropriate method below. Specific color and crystal tests will not be listed in the summary report.)

GC ☐      Color Tests ☐      UV ☐      LC ☐      Microscopic ☐  
GC/MS ☐      FTIR ☐      TLC ☐      LC/MS ☐

Other (specify):

**3.) Additional Comments**

**Note:** Please use appropriate punctuation to indicate the end of sentences, sections, and statements in the free-form space below. Extra spacing and returns used for separation within your text will not transfer and may cause your information to be illegible in the Summary Report. The use of lists and tabular formats to deliver information is also cautioned against, as these do not transfer.

## RELEASE OF DATA TO ACCREDITATION BODIES

The Accreditation Release is accessed by pressing the "Continue to Final Submission" button online and can be completed at any time prior to submission to CTS.

CTS submits external proficiency test data directly to ANAB and/or A2LA. Please select one of the following statements to ensure your data is handled appropriately.

- ☐ This participant's data is intended for submission to ANAB and/or A2LA. (Accreditation Release section below must be completed.)
- ☐ This participant's data is **not** intended for submission to ANAB and/or A2LA.

Have the laboratory's designated individual complete the following steps  
**only if your laboratory is accredited in this testing/calibration discipline**  
by one or more of the following Accreditation Bodies.

**Step 1: Provide the applicable Accreditation Certificate Number(s) for your laboratory.**

ANAB Certificate No.

A2LA Certificate No.

**Step 2: Complete the Laboratory Identifying Information in its entirety.**

Authorized Contact Person and Title

Laboratory Name

Location (City/State)