



## Drug Analysis Test No. 15-501 Summary Report

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This test was sent to 869 participants. Each sample pack consisted of one powdered questioned sample and one crystalline questioned sample, which participants were requested to analyze. Data were returned from 759 participants (87.3% response rate) and are compiled into the following tables:

	<u>Page</u>
<a href="#"><u>Manufacturer's Information</u></a>	<u>2</u>
<a href="#"><u>Summary Comments</u></a>	<u>3</u>
<a href="#"><u>Table 1a: Drug Analysis (Item 1)</u></a>	<u>4</u>
<a href="#"><u>Table 1b: Examination Methods (Item 1)</u></a>	<u>24</u>
<a href="#"><u>Table 2a: Drug Analysis (Item 2)</u></a>	<u>46</u>
<a href="#"><u>Table 2b: Examination Methods (Item 2)</u></a>	<u>64</u>
<a href="#"><u>Table 3: Additional Comments</u></a>	<u>85</u>
<a href="#"><u>Appendix: Data Sheet</u></a>	<u>87</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. Item 1 contained 190 mg of powder consisting of pure testosterone. Item 2 contained 100 mg of a crystalline substance consisting of approximately 50% ketamine HCl and 50% sodium chloride. Testosterone and ketamine HCl are Schedule III controlled substances in the United States.

### **SAMPLE PREPARATION-**

The testosterone in Item 1 was a pure powder. The ketamine HCl in Item 2 was a pure crystalline substance which was combined with sodium chloride and hand shaken for two hours to ensure homogeneity.

ITEM 1 (PREPARATION): Approximately 190 mg of the testosterone powder 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 zip top bag. The small zip top bag was heat sealed and then placed into a pre-labeled 5 1/2 inch coin envelope.

ITEM 2 (PREPARATION): Approximately 100 mg of the ketamine HCl and sodium chloride mixture was weighed out and deposited into a glassine bag, which was folded and taped with a label. The folded glassine bag was placed into a small zip top bag. The small zip top bag was heat sealed and then placed into a pre-labeled 5 1/2 inch coin envelope.

SAMPLE PACK ASSEMBLY: One of each of the Item 1 and Item 2 envelopes was placed into a larger pre-labeled sample pack envelope.

VERIFICATION: The above results were confirmed by predistribution laboratories, who used the following combined list of techniques: color tests, FTIR, UV, TLC, and GC/MS.

## **Summary Comments**

This test was designed to allow participants to assess their proficiency in the identification of two samples that contained the controlled substances (in the USA) testosterone and ketamine, respectively. Item 1 contained a powder consisting entirely of testosterone. Item 2 contained a crystalline substance consisting of approximately 50% ketamine HCl and 50% sodium chloride. Testosterone and ketamine are Schedule III controlled substances in the United States. (See Manufacturer's Information for details)

For Item 1, 746 (98.3%) of 759 responding participants reported the presence of testosterone. Of the remaining participants, five reported "No controlled substance detected/identified" and seven reported results not consistent with the consensus. One participant did not report results for Item 1.

For Item 2, 755 (99.5%) of 759 responding participants reported the presence of ketamine. Of the remaining participants, three reported "No controlled substance detected/identified" and one participant reported testosterone.

# Drug Analysis (Item 1)

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
22HMYZ	Testosterone	2RCE3U	Testosterone
247HHG	testosterone	2RMCZJ	Testosterone
24FVGA	Testosterone	2RRDHC	Testosterone
24QQVW	Testosterone	2VRR2V	Testosterone
269RNQ	Testosterone III	2ZJ83N	Testosterone
26DYD7	Testosterone	33Z29M	Testosteron[sic] Acetate (GC-MS), Testosterone Cypionate (FTIR)
289UKT	Testosterone	34928A	Testosterone
29YMCK	Testosterone	37H8LN	Testosterone
2CTM88	testosterone	38HJXQ	testosterone
2EMFDC	TESTOSTERONE	39QYAX	testosterone
2F4WNQ	Contains Testosterone	3ADGUH	TESTOSTERONE
2GHC2R	Testosterone	3AGCLN	Testosterone - Powdered substance; Ketamine - solid substance
2HE4F6	Testosterone	3B9BKU	
2HPUWG	testosterone	3FHCEH	TESTOSTERONE
2LNR8N	Testosterone	3GD6KG	Testosterone - CDS III
2M3GQL	Testosterone	3KBTWW	Testosterone
2NKXAZ	Testosterone	3KUMQF	Testosterone
2NKZY6	Testosterone	3PRKHX	Testosterone
2RAMBD	Testosterone	3Q3ZE7	Testosterone

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
3QUMQN	Testosterone	4L49JE	Testosterone
3V7K9J	Testosterone	4LH2EB	Testosterone
3WVXKA	Testosterone	4LN4P2	Testosterone
3X8G6J	testosterone	4LXH8J	Testosterone
3YB4GD	Testosterone - CDS III	4RP9QE	Testosterone
3Z3H22	Testosterone	4TG4DM	Contains Testosterone
3Z4N73	Testosterone	4WE3VL	Testosterone
3ZNTMB	Testosterone, Schedule III	4XFERV	Testosterone
47C6LH	Testosterone III CDS	4YVN7F	Testosterone
498LAQ	Testosterone	638JYB	Testosterone
49BPZ3	Testosterone - Salt form not determined	64VGAG	Testosterone
49XELN	TESTOSTERONE, SCHEDULE III	66FYTV	Testosterone
4CQHXG	Testosterone	69LJPV	Testosterone
4CYHFW	Testosterone	69ZE6P	Testosterone
4EE4HR	Testosterone, Schedule III	6AR64V	testosterone
4FQFF2	Testosterone	6AWBXC	Testosterone
4FV94W	Testosterone	6BBJFD	testosterone
4FZL3C	Testosterone	6CPNPG	Testosterone
4HQMBL	Testosterone	6D3CB2	Testosterone - Sch III Anabolic Steroid
4L39KY	Testosterone III	6FJK4G	Testosterone

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
6FPEZG	Testosterone	7DGLJN	Testosterone
6GCFMJ	Testosterone	7GELVJ	Testosterone
6JHQAT	Testosterone	7GNAL4	Testosterone
6K97QA	TESTOSTERONE, SCHEDULE III	7J88WM	Testosterone
6LKWXT	TESTOSTERONE	7JEEEB	Testosterone
6N77RL	Testosterone	7JF2ZV	Preliminarily, Testosterone was identified but can not be certified because there is no standard available at our laboratory at the moment.
6NVCDY	Testosterone	7KYU4D	Testosterone
6Q8Z4Q	Testosterone (CIII)	7KYYHM	Testosterone
6QUPMR	Testosterone	7L97HU	Testosterone
6U22YD	Testosterone	7LMFEN	Testosterone
6VMRTC	Testosterone	7NFEUZ	Testosterone
6X9NZ3	Testosterone	7NYZNB	An Anabolic Steroid
6YV2D9	Testosterone	7PEE9P	Testosterone
6Z6LQ4	Testosterone	7PULFG	testosterone
6ZCGWM	Testosterone	7RYTWT	Testosterone
76MWZJ	Testosterone	7T7QRG	Testosterone
76YABN	Testosterone/Schedule III	7TTFBH	Testosterone
79R2TC	TESTOSTERONE	7ULVJM	Testosterone
7ATYYM	testosterone	7V9C3M	Testosterone
7BFB6Y	Testosterone		

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
7WRFBU	Testosterone	8P3DAG	Testosterone
7X38DJ	Testosterone	8QKNXV	Testosterone
7XMD2U	Testosterone	8QQFQH	TESTOSTERONE
7YFUXJ	Testosterone	8UQPXD	TESTOSTERONE
7ZXN2P	Testosterone	8VBPDA	testosterone
82EM6M	Testosterone	8VFCGN	Testosterone
82M3JU	Testosterone	8XEGNV	Testosterone
83KR6G	Testosterone	8XG2JB	Testosterone
83KWFJ	TESTOSTERONE	8XKZZJ	Testosterone
84788Q	Contains Testosterone	8ZBPFB	TESTOSTERONE
848EJE	Testosterone	8ZLQPZ	Testosterone
84993J	Testosterone (Schedule III)	93KJYP	Testosterone
86FHZH	Testosterone	93KNBD	Testosterone
86VYYH	testosterone	96CD3L	Testosterone
89KHKU	Testosterone	9CHDPF	testosterone
8GXLFZ	Testosterone	9CJC3W	Testosterone
8H6MZT	Testosterone	9CZH6T	Testosterone
8L7KKT	Testosterone	9DVLUE	TESTOSTERONE
8M7NGZ	Testosterone	9EKXC9	Testosterone
8MRV8R	Testosterone	9F28LL	testosterone

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
9H3PMG	Testosterone	A9WDM6	Testosterone
9MGTFY	TESTOSTERONE	ACLBWH	Testosterone
9NDH2L	Testosterone	ADLCX9	Testosterone
9NP2AR	Possible Testosterone, see comments	AEE2BA	Testosterone
9NXEAF	Testosterone	AFEHXD	Testosterone
9PQQ7L	Testosterone	AKAUVF	testosterone
9Q949J	Testosteron[sic]	AMWZ6U	Testosterone
9QG2LU	Testosterone	AN7XMH	Testosterone
9QJ8ZN	Testosterone	AQAT6Y	Testosterone
9QLTZB	Testosterone	AWMR26	TESTOSTERONE
9RZC3L	Testosterone/ Schedule III	AWNMMW	Testosterone
9TVPUF	No controlled substance detected/identified	AXLPET	Testosterone/Schedule III
9VCCR8	TESTOSTERONE	AZX3GU	Testosterone
9XQMCJ	Testosterone	B2ZJUQ	Testosterone found
9ZZFKQ	Contains Testosterone	B69HH7	Testosterone
A3CMMMA	Testosterone	B6YXGF	Testosterone
A3E3AH	TESTOSTERONE	B7UJ9L	Testosterone
A42H2K	Testosterone	B86Q82	Testosterone
A43TYU	Testosterone	B8KBUJ	Testosterone
A9RA2V	Testosterone, CIII	B94JC8	Testosterone



TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
B9WDXQ	Testosterone	BZ9LMJ	Testosterone
BA33JL	Testosterone	C2WJ8V	Possible Testosterone, See Comment
BA6NE2	Testosterone	C3ETQ3	testosterone
BCFHH8	Testosterone	C3YA9Q	Testosterone
BDWKDL	Testosterone	C4ART3	Testosterone
BGEP7P	Testosterone	C69UXX	Testosterone
BGNVW8	Testosterone	C88DGY	Testosterone
BJX96E	Testosterone	C99K8C	Testosterone
BK8KE4	TESTOSTERONE	C9CT9Q	testosterone
BK8M49	TESTOSTERONE	CAXFQU	Testosterone
BKYL3G	Testosterone	CBV7VU	Testosterone
BLZRM3	testosterone	CF3BAU	Testosterone
BMLBZE	Testosterone	CFUMJA	Testosterone
BMNU9B	Testosterone	CGMR6L	Testosterone
BMW9WH	Testosterone	CGWZJN	TESTOSTERONE, CONFIRMATION WAS NOT PERFORMED BECAUSE STANDARD WAS NOT AVAILABLE.
BQ4D2R	Testosterone/Schedule III	CHUAYC	Testosterone
BQH32J	Testosterone	CJTDTM	testosterone
BTL7M8	Testosterone	CK34JW	testosterone
BUMCP9	Testosterone	CKRDYE	testosterone
BUZQFH	testosterone	CQ7ET7	Testosterone

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
CQGVEB	Testosterone	DJTRKD	Testosterone
CRUWLQ	Testosterone	DPZQH6	Testosterone
CUJAFU	Testosterone	DQH4CE	Testosterone
CVEV7Z	Testosterone, Schedule III	DR4WPQ	Testosterone
CW3GBH	Testosterone	DRDNZE	Testosterone
CXB29C	Testosterone	DRH4EZ	Testosterone
D34MDJ	Testosterone	DRX987	testosterone
D4433B	Testosterone	DUBC3N	Testosterone
D7T6YY	No controlled substance detected/identified; Preliminary ID only. Would need to purchase Std to validate.	DW6DMR	Testosterone
D9VYYN	Testosterone	DW9EMD	testosterone
DA68TG	No controlled substance detected/identified; Testosterone found in sample.	DXAMYN	Testosterone
DATM2K	Testosterone	DXCXUE	Testosterone
DBU349	Testosterone	DXPRQV	Testosterone
DC4MJR	Testosterone	E23H86	Testosterone
DCV886	Testosterone	E3UAZ8	TESTOSTERONE
DEAYN8	Testosterone	E3XR7J	Testosterone
DECVWW	Testosterone	E4TRAJ	Testosterone
DEJCDA	Testosterone	E67PU9	TESTOSTERONE
DEKUJT	Testosterone	E6GR33	An Anabolic Steroid
DFGQ7M	Testosterone	E7CCU9	testosterone

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
E7T3YR	Testosterone	EWCW6E	testosterone
EATDWC	Testosterone	EXFJH8	Testosterone
EEBYD	TESTOSTERONE	EXT7X2	Testosterone
EEFK3T	Testosterone	EY7KJP	Testosterone
EFED4C	Testosterone	EYZMV8	Testosterone
EFZ9VA	Testosterone	EZGL96	Testosterone
EG42AF	Testosterone	F2C7L2	Testosterone
EJAQNA	Testosterone	F3J3XC	Testosterone
EMG6TA	Contains Testosterone	F6H3C3	Testosterone
ENQEL7	testosterone	F6HZPJ	testosterone
ENTLQ3	Testosterone	F8X4CA	Testosterone
ENXV3Y	TESTOSTERONE	F92XD9	Testosterone
EPDLGH	Testosterone	FBDX84	Testosterone
EPZKJY	Testosterone	FBUDZB	Testosterone
ER3W9B	Testosterone	FK6DW8	Testosterone
ETBTDR	detected Testosterone	FKKY7A	Testosterone
EU2AVB	Testosterone.	FKMHE7	Testosterone
EUR7L	Testosterone	FKTAMK	Testosterone
EV6L36	Testosterone	FKTHZR	Testosterone
EVK6L3	Testosterone	FL8KR6	Testosterone

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
FMGKNL	testosterone	GG9FBR	Testosterone
FNNNTC	Testosterone	GHE4NW	Testosterone
FPHUB9	Contains Testosterone	GHMER2	This item contains testosterone
FRN7D4	Testosterone	GHRCFR	Testosterone
FRU2UA	Testosterone	GKWZJV	Testosterone
FTAM2C	Testosterone	GMN3JH	Contains Testosterone
FU8ZHD	Testosterone	GNB47J	testosterone
FWPNUP	Testosterone	GPX9HH	Testosterone
FY49GE	Testosterone	GQDL6U	testosterone
FZN3GE	No controlled substance detected/identified	GRABT3	Testosterone
G26XV8	Testosterone	GT2G6M	Testosterone
G3378X	Testosterone, Schedule III	GUAQKE	Testosterone
G3K3RK	Testosterone	GULNH4	Testosterone
G68WA7	Testosterone	GUNC24	Testosterone
G6Q7EL	Testosterone	GXC7DG	Testosterone
G7UVBB	Testosterone	GXPRV7	testosterone
GBVLQA	Testosterone	GZHKQP	Testosterone
GCT9PE	Testosterone	H3EQKK	Testosterone
GDL48F	Testosterone	H4CUH3	testosterone
GDVR82	Testosterone	H4QXLM	An unidentified compound was detected in Item #1. The laboratory is not currently set up for the identification of this compound.

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
H62T8F	Testosterone	HTMZDD	Testosterone
H6LMWW	Testosterone	HUTFJ7	Testosterone
H8BTE8	Testosterone	HVQ3FP	Testosterone
H9MQNH	Testosterone	HXZUHB	Testosterone
HBQGUX	An Anabolic Steroid	J3UHYN	Testosterone ([State] Schedule III)
HCN92J	Testosterone	J4CAAT	Testosterone
HE6ZY9	Testosterone - GC MS and Testosterone Cypionate - FT-IR	J4LZNW	Testosterone
HEF6TX	Testosterone	J4QGWG	Testosterone
HGE4LW	Testosterone	J4VRBY	Testosterone
HGGUWL	Testosterone	J6DZU9	Testosterone
HHDNVW	Testosterone	J7N387	Testosterone Cypionate
HJ9M7V	Testosterone	J89ZCY	Testosterone
HKDMLA	Testosterone	J8WGT8	Testosterone
HL37G9	Testosterone	J8XCEY	Testosterone
HN2BJB	Testosterone	J92XJ6	Testosterone
HNAZFM	Testosterone	JEFJXW	Testosterone
HP97WG	Testosterone	JF779R	testosterone
HPFA36	Testosterone	JHNDDU	Testosterone
HQ3ZMX	Testosterone	JJ3EDF	Testosterone
HQBPE2	Testosterone	JL4YVF	Testosterone - Preliminary Identification see comments

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
JMH8DG	Testosterone	KLB6HV	TESTOSTERONE
JMJ6J7	Testosterone	KLVFKH	Testosterone
JMN3V9	Testosterone	KNW4GC	Testosterone
JPWU29	TESTOSTERONE	KQEYRC	Contains Testosterone
JQLEXY	testosterone	KQGJMR	Testosterone
JQN8UL	Testosterone	KRAYWX	Testosterone
JRREL9	Testosterone	KUXZ4C	Testosterone
JWPNZL	Testosterone (salt form not determined)	KX6L8W	Testosterone
JWZ3V4	Testosterone	KXUWM7	Testosterone
K2KMZ3	Testosterone	L2JFMU	TESTOSTERONE
K2QQ29	Testosterone	L3MF4U	Testosterone
K37YGN	Testosterone	L68GUB	Testosterone
K6QZ79	Testosterone	L68L8X	Testosterone
KA2MRD	Testosterone	L6V6QH	Testosterone
KAWQ3V	Testosterone	L8H8CR	Testosterone
KBJUTB	Testosterone	L97TUG	Testosterone
KDETGF	Testosterone	L9LKJK	Testosterone
KDQEC4	Testosterone	LGBY3B	Testosterone
KHR67L	Testosterone	LJBN6Y	Testosterone
KJFRFD	Testosterone	LJE978	TESTOSTERONE

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
LJE98R	TESTOSTERONE	MBBCF2	Testosterone
LMCBWM	Testosterone	MBR2E2	Testosterone
LMHYJD	Testosterone	MDUWX6	Testosterone
LP79UZ	Testosterone	ME34XY	Testosterone
LPBTH4	testosterone	MEA3Q2	Testosterone
LT77ZF	Testosterone (III)	MF8BYK	testosterone
LUX7YC	Testosterone	MFKW89	Testosterone
LWEBYN	Testosterone	MGXH4P	Testosterone
LX4ERV	Testosterone	MHCXKC	Testosterone
LXDN9G	Testosterone	MJX8AW	Testosterone
LY3NUD	Testosterone	MKNF9Z	TESTOSTERONE
LYTZVT	Testosterone	MLWCEJ	Testosterone
LZ6BQG	Testosterone	MMC6CD	Testosterone
LZTABA	No controlled substance detected/identified	MQ7ZN9	Testosterone
M3QBNC	Testosterone	MURTRP	Testosterone, Schedule III
M6WVDX	Testosterone	MWKJEE	Testosterone
M7D7VX	Testosterone	MXPG6P	Testosterone
M7M2PG	Testosterone	MZM6ZD	testosterone
M9CDM2	Testosterone	MZT7G7	Testosterone
MANDLC	Testosterone	N3E9VJ	testosterone

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
N4E99N	Testosterone	NRQ3KZ	contains testosterone
N4LPUP	testosterone	NT8JA8	Testosterone
N83Y22	Testosterone	NTMFWF	Testosterone
NAETXE	Testosterone	NTPMQK	Testosterone
NBH622	Testosterone	NVJBZJ	Testosterone
NBWJMP	Testosterone (Anabolic Steroid)	NVZLJM	Testosterone
NC3CV7	Testosterone	P293DE	Testosterone
NE9RBN	Testosterone, Schedule III	P2ZPJ7	Testosterone
NEU3AX	Testosterone	P3UWT4	Testosterone
NJ2UC4	Testosterone	P77Z2T	Testosterone
NJDXPJ	Testosterone	PCNXN8	Testosterone
NKDKC8	Testosterone	PFVMF4	Testosterone
NKGTVT	TESTOSTERONE	PHC47A	Testosterone
NMZY33	Testosterone	PM7ZTF	Testosterone
NN7LAF	Testosterone/ Schedule III	PNXF47	Testosterone
NNMTAC	Testosterone	PRM9LY	Testosterone
NNN7TK	Testosterone	PRMB8X	testosterone
NNVNCP	Testosterone	PT8ZMW	Testosterone
NPBR4W	Testosterone	PTU2AY	TESTOSTERONE
NQGCRW	Testosterone	PTUYMF	Testosterone



TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
PUKQAZ	Testosterone	QMXFFW	Testosterone
PVBKPB	Testosterone	QQY3XL	Testosterone
PVP4A9	TESTOSTERONE	QTVYV2	Testosterone
PWQVQP	Testosterone	QVNFYN	Testosterone
PY4FV4	Testosterone	QXBDOU	Testosterone
Q33MZL	Testosterone found	QXZQVY	Testosterone
Q4B38K	Testosterone	QYBH2U	Testosterone
Q6E7DP	Testosterone	QYWKUA	Testosterone
Q6GEJ9	Testosterone	R28EDM	Testosterone
Q7QZXW	Testosterone	R4369M	Testosterone
Q9H738	Testosterone	R63JY8	testosterone
QA3WD7	Testosterone	R64R9Z	Testosterone
QBY44X	Ketamine	RDU2DF	+Testosterone
QC33K7	Testosterone	RFAMFC	Testosterone
QCP8Z6	Testosterone	RGR2DR	Testosterone
QDFDCN	TESTOSTERONE	RGV8PZ	TESTOSTERONE
QFX3D8	Testosterone	RHBVHZ	Testosterone
QHHL4Q	Testosterone	RHE7N6	Testosterone
QHN87E	Testosterone	RHX4Z6	No controlled substance identified; Testosterone indicated, but not confirmed
QLC44Q	Testosterone	RLK2RM	Testosterone

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
RLUYEX	Testosterone	TABP87	Testosterone
RMHCNQ	TESTOSTERONE	TAVKR7	Testosterone*
RNDDQE	Testosterone	TBFWYR	Testosterone
RQCWAF	Testosterone	TBL76W	TESTOSTERONE
RUXAVA	Testosterone (III)	TC3UWW	Testosterone
RXVK33	Testosterone	TE6F22	Testosterone
RYAZG6	Testosterone	TEWGL8	Testosterone
RYK8D6	Testosterone	THE6FX	Testosterone
RYTHJV	Testosterone	TLPTM3	Testosterone
RYZ2N9	Preliminarily, Testosterone was identified but can not be certified because there is no standard available at our laboratory at the moment.	TMGFVC	Testosterone
T26YM9	testosterone	TNB6XK	Testosterone (Anabolic Steroid)
T3FV47	Preliminary identification of the controlled substance is testosterone (see additional comments).	TNEY6D	Testosterone
T3KHA6	Testosterone	TQ3FDZ	Testosterone
T44CBT	Testosterone	TQGBAT	Testosterone
T4TUMZ	Testosterone	TR33ZB	Testosterone
T7BMAH	Testosterone	TUCKJL	TESTOSTERONE
T82EVF	Testosterone	TUKL2N	Testosterone
T8W2WZ	Testosterone CIII	TW9AAG	Testosterone
T8WKXM	Testosterone	TWD482	testosterone
		TXXMMT	Testosterone

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
TY2ZWA	Testosterone	UKUFQ2	Testosterone
TZY8DR	TESTOSTERONE	ULUUE2	Testosterone
U2DEC2	Testosterone	UQ8BRG	Testosterone
U43F4M	Testosterone	URQHBZ	Testosterone, Sch III
U7C2X3	Testosterone	UUYGWU	Testosterone
U7ZCLW	Testosterone	UV8RQD	Testosterone
U8FQVR	Testosterone	UWKFUP	Testosterone
U9CFGE	Testosterone	UZ4BY3	Testosterone
UAZY22	Testosterone	UZBDV3	Testosterone
UDADAY	Testosterone	V2FAP7	Testosterone
UENY2E	Testosterone	V3JZ6C	Testosterone
UEWA9Y	Testosterone	V6EYW6	Testosterone
UF2PVQ	Testosterone	V8M3T2	Testosterone/Detected, not identified
UFGNA9	Testosterone Schedule III	V9CEBU	Testosterone
UG4GT6	Testosterone	VBVRFP	Testosterone
UH8XDH	Testosterone	VBY2VU	Testosterone
UHE2J7	testosterone	VCHMRQ	Testosterone
UHV38H	Testosterone	VEBM9L	Testosterone
UJJMP9	Testosterone	VEMUCA	Testosterone
UKJ4EW	Testosterone III CDS	VFNHZF	Testosterone

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
VGQB6T	Testosterone	WE8FQQ	[with] Testosterone
VHUYEX	Testosterone	WEKWLT	An Anabolic Steroid
VHVGAT	Testosterone (schedule III)	WFH6UD	Testosterone
VLTG9J	Testosterone	WG43U4	Testosterone
VMYJNH	Testosterone	WHLGPX	Testosterone
VP77Q8	Testosterone	WKVQFA	Testosterone
VRX7ZP	Testosterone	WLCLRW	testosterone
VRZHUT	Testosterone	WN9MB8	TESTOSTERONE
VUXWTR	Testosterone	WND6KP	TESTOSTERONE
VZ8792	TESTOSTERONE	WNQ2A4	Testosterone
W2U6XJ	Testosterone	WNQ2CP	Testosterone
W43FUM	Testosterone	WPUPHE	Testosterone
W4ALAM	TESTOSTERONE	WQ26KZ	Testosterone
W4E6NY	Testosterone	WTZ2TL	Testosterone
W78L9D	Testosterone	WUBYPQ	Testosterone
W7XVLA	Testosterone	WUY6JQ	Testosterone
W84HLA	Testosterone	WXTBQ2	Testosterone
W9TRDX	Testosterone	WY924X	Testosterone
WB6NZF	Testosterone, Schedule III	WYWZNQ	Testosterone
WCQQP3	Testosterone	X3VGBP	TESTOSTERONE

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
X4WKNL	Testosterone	XZZGVK	testosterone
X6YA89	Testosterone	Y2JUJ3	testosterone
X76UH4	Testosterone	Y3JA9U	Testosterone
X8Y2Z2	Testosterone	Y3JVWY	Testosterone
X9FTED	testosterone	Y4BU67	Testosterone
X9TDEV	Testosterone	Y4RKZQ	Testosterone
X9X6QQ	Testosterone	Y6NWTk	Testosterone
XAD9YP	Testosterone	Y6XRN4	Testosterone
XBU7PU	Testosterone	YAPUUP	Testosterone
XEL9XE	Testosterone	YB7TA9	testosterone
XH6MM3	Testosterone	YB87WN	Testosterone
XHKLJH	Testosterone	YBLA8L	Testosterone
XL4Z7L	Testosterone	YCYDZK	Testosterone
XQJ3CW	No controlled substance detected/identified	YDAB2V	Testosterone
XUMA4A	Testosterone	YFZPYY	Testosterone
XUXJP8	Testosterone	YFZUA2	testosterone
XVETKU	Testosterone	YGGBV3	Testosterone
XVZRBL	Testosterone	YH9FFM	Testosterone
XYUTT2	testosterone	YHXGLE	Testosterone, Schedule III
XZJKQU	Testosterone	YJMYBT	Testosterone[sic]

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
YKTULB	Testosterone	Z3JRZ9	Testosterone
YKXR3L	Testosterone	Z4LJPP	Testosterone
YL372R	TESTOSTERONE	Z6N3XL	testosterone
YMFYFM	Testosterone	Z6RCWJ	Testosterone
YMYDTK	The substance contains testosterone	Z6RHQC	Testosterone (CIII)
YNHGXK	Testosterone	Z74GKL	TESTOSTERONE
YNHJMP	Testosterone	Z7CUGH	Testosterone
YPNNLX	Testosterone	Z9P7RU	Testosterone
YQUKYU	Testosterone CDS III	ZD2U3V	Testosterone
YR3KCA	TESTOSTERONE	ZKNYFB	Testosterone
YRBH4K	Testosterone	ZM8FRH	Testosterone
YRMNH4	Testosterone	ZMEM7Q	Testosterone
YT6KBG	Testosterone	ZML7A2	Yes - Testosterone
YUFV2L	TESTOSTERONE	ZNG94R	Testosterone
YWR3C	Testosterone	ZNYDZP	Testosterone
YX373J	Testosterone	ZPEBDR	testosterone
YYWMJM	Testosterone	ZPPAXC	Testosterone found : A Schedule III controlled substance under the U.S. Controlled Substances Act.
YZ24AH	Testosterone	ZQWRYU	Testosterone
Z298CR	Testosterone detected. Confirmation not completed due to unavailability of reference standard.	ZT64EA	Testosterone
Z2ZTMY	Testosterone	ZV6JY8	Testosterone

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
ZVAENR	Testosterone		
ZWAE4K	Testosterone		
ZYGQM8	Testosterone		

<i>Response Summary - Item 1</i>	
Participants: 759	
Testosterone:	746
No controlled substances detected/identified:	5
Other:	7
No results:	1

## Examination Methods (Item 1)

TABLE 1b - Examination Methods used for Item 1

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
22HMYZ	✓							✓	✓	
247HHG	✓	✓						✓		
24FVGA	✓							✓		
24QQVW	✓	✓				✓		✓		
269RNQ	✓	✓			✓	✓		✓		
26DYD7	✓	✓			✓			✓		
289UKT	✓	✓				✓		✓		
29YMCK	✓							✓		
2CTM88	✓	✓						✓		
2EMFDC					✓			✓		
2F4WNQ	✓	✓				✓		✓		
2GHC2R	✓	✓						✓		
2HE4F6								✓		DART - Agilent TOF
2HPUWG	✓							✓		IR
2LNR8N	✓	✓			✓			✓		
2M3GQL	✓	✓				✓		✓		
2NKXAZ	✓	✓						✓		
2NKZY6								✓		AccuTof-DART
2RAMBD	✓				✓			✓		
2RCE3U	✓	✓						✓	✓	
2RMCZJ	✓							✓		
2RRDHC		✓			✓			✓		
2VRR2V		✓						✓		
2ZJ83N		✓						✓		
33Z29M		✓						✓		
34928A	✓							✓		
37H8LN		✓						✓		
38HJXQ	✓	✓				✓		✓		
39QYAX	✓	✓			✓			✓		
3ADGUH		✓	✓			✓	✓	✓		ELECTRONIC BALANCE FOR WEIGHT
3AGCLN		✓						✓		
3B9BKU	✓							✓		
3FHCEH		✓				✓	✓	✓		
3GD6KG		✓			✓			✓		
3KBTWV	✓							✓		



TABLE 1b - Examination Methods used for Item 1

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
3KUMQF	✓	✓						✓		
3PRKHX		✓			✓			✓		
3Q3ZE7	✓							✓		
3QUMQN	✓	✓			✓			✓		
3V7K9J	✓							✓		
3WVXKA								✓		
3X8G6J	✓							✓		
3YB4GD	✓	✓						✓		
3Z3H22		✓				✓		✓		
3Z4N73	✓	✓						✓		
3ZNTMB	✓				✓			✓		
47C6LH	✓	✓			✓			✓		
498LAQ		✓						✓		
49BPZ3		✓						✓		
49XELN		✓	✓			✓	✓	✓		ELECTRONIC BALANCE
4CQHGX	✓							✓		
4CYHFW		✓			✓			✓		
4EE4HR	✓	✓						✓		
4FQFF2	✓	✓				✓		✓		
4FV94W	✓							✓		
4FZL3C					✓			✓		
4HQMBL		✓				✓		✓		
4L39KY	✓				✓	✓		✓		
4L49JE	✓	✓						✓		Solubility, pH
4LH2EB	✓							✓		
4LN4P2	✓							✓		
4LXH8J	✓	✓						✓		
4RP9QE	✓	✓						✓		
4TG4DM	✓	✓				✓		✓		
4WE3VL	✓	✓			✓			✓		
4XFERV					✓			✓		GC-FID
4YVN7F		✓						✓	✓	
638JYB		✓						✓		LC/MS
64VGAG	✓	✓						✓		
66FYTV	✓							✓		
69LJPV	✓							✓		

TABLE 1b - Examination Methods used for Item 1

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
69ZE6P	✓	✓			✓			✓		
6AR64V	✓	✓			✓	✓		✓		
6AWBXC		✓						✓		
6BBJFD		✓			✓			✓		
6CPNPG	✓	✓		✓		✓		✓		
6D3CB2	✓	✓						✓		
6FJK4G								✓		Retention time comparison used for confirmation
6FPEZG		✓						✓		
6GCFMJ		✓				✓		✓		
6JHQAT	✓							✓		
6K97QA		✓	✓			✓	✓			ELECTRONIC BALANCE
6LKWXT	✓							✓		
6N77RL	✓	✓						✓		
6NVCDY	✓							✓		
6Q8Z4Q	✓	✓						✓		
6QUPMR	✓	✓				✓		✓		
6U22YD	✓							✓		
6VMRTC	✓	✓						✓		
6X9NZ3	✓	✓						✓		
6YV2D9	✓							✓		
6Z6LQ4							✓	✓		
6ZCGWM	✓							✓		
76MWZJ	✓							✓		
76YABN	✓	✓						✓		
79R2TC		✓	✓			✓		✓		
7ATYYM	✓	✓						✓		
7BFB6Y						✓		✓		
7DGLJN		✓						✓		
7GELVJ	✓	✓						✓		Retention Time
7GNAL4								✓		Dispersive Raman Spectroscopy
7J88WM	✓				✓			✓		FTIR ATR Accessory
7JEEEB								✓		
7JF2ZV				✓				✓		
7KYU4D	✓							✓		
7KYYHM	✓	✓						✓		
7L97HU	✓	✓						✓		

TABLE 1b - Examination Methods used for Item 1

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
7LMFEN	✓	✓						✓		
7NFEUZ	✓							✓		
7NYZNB	✓							✓		
7PEE9P					✓			✓		
7PULFG		✓						✓	✓	
7RYTWT								✓		GC-FID
7T7QRG	✓	✓						✓		
7TTFBH	✓	✓						✓		FID
7ULVJM	✓							✓		
7V9C3M	✓				✓			✓		
7WRFBU	✓							✓		
7X38DJ	✓	✓			✓			✓		
7XMD2U		✓						✓		
7YFUXJ	✓	✓						✓		
7ZXN2P	✓	✓						✓		
82EM6M	✓	✓						✓		
82M3JU	✓	✓				✓				
83KR6G		✓				✓		✓		
83KWFJ		✓	✓			✓		✓		
84788Q	✓	✓				✓		✓		
848EJE		✓						✓		
84993J	✓						✓	✓		
86FHZH		✓						✓		
86VYYH	✓				✓			✓		
89KHKU								✓		GC-FID
8GXLFZ	✓	✓						✓		
8H6MZT	✓							✓		
8L7KKT	✓	✓			✓			✓		
8M7NGZ		✓			✓			✓		
8MRV8R	✓							✓		
8P3DAG								✓		
8QKNXV		✓						✓		
8QQFQH		✓	✓			✓		✓		
8UQPXD		✓	✓			✓	✓	✓		
8VBPDA	✓	✓						✓		
8VFCGN		✓				✓		✓		

TABLE 1b - Examination Methods used for Item 1

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
8XEGNV					✓			✓		
8XG2JB	✓	✓						✓		
8XKZZJ	✓	✓						✓		
8ZBPFB		✓				✓	✓			
8ZLQPZ		✓						✓		
93KJYP		✓						✓		
93KNBD		✓						✓		RAMAN analysis and Chloride Test (AgNO <sub>3</sub> )
96CD3L	✓							✓		
9CHDPF	✓	✓						✓		
9CJC3W		✓						✓		
9CZH6T	✓	✓				✓		✓		
9DVLUE		✓	✓			✓		✓		ELECTRONIC BALANCE
9EKXC9	✓	✓						✓		
9F28LL					✓			✓		
9H3PMG		✓						✓		
9MGTFY	✓							✓		
9NDH2L	✓	✓						✓		
9NP2AR								✓	✓	
9NXEAF		✓				✓		✓		
9PQQ7L								✓		GC/IRD
9Q949J		✓						✓		
9QG2LU	✓	✓						✓		
9QJ8ZN	✓	✓						✓		
9QLTZB	✓	✓			✓			✓		
9RZC3L	✓	✓						✓		
9TVPUF	✓	✓						✓		
9VCCR8		✓						✓		
9XQMCJ		✓						✓		
9ZZFKQ	✓	✓						✓		
A3CMMMA	✓							✓		
A3E3AH		✓	✓			✓		✓		ELECTRONIC BALANCE
A42H2K	✓	✓				✓		✓		
A43TYU	✓					✓		✓		
A9RA2V	✓	✓						✓		
A9WDM6		✓						✓		
ACLBWH		✓						✓		Raman

TABLE 1b - Examination Methods used for Item 1

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
ADLCX9	✓	✓						✓		
AEE2BA								✓		weight determination
AFEHxD	✓	✓						✓		
AKAUVF			✓			✓	✓	✓		
AMWZ6U	✓	✓			✓			✓		
AN7XMH		✓						✓		
AQAT6Y		✓						✓		
AWMR26		✓	✓			✓	✓	✓		
AWNMMW						✓	✓	✓		
AXLPET		✓						✓		
AZX3GU		✓						✓		
B2ZJUQ	✓	✓						✓		
B69HH7	✓	✓				✓		✓		
B6YXGF		✓						✓		
B7UJ9L		✓						✓		
B86Q82	✓	✓						✓		
B8KBUJ					✓			✓		
B94JC8	✓				✓			✓		
B9WDXQ	✓	✓						✓		
BA33JL	✓					✓		✓	✓	
BA6NE2	✓							✓		
BCFHH8								✓		
BDWKDL	✓				✓			✓		
BGEP7P				✓						GC/MS X2
BGNVW8	✓	✓				✓		✓		
BJX96E	✓							✓		
BK8KE4		✓	✓			✓	✓	✓		
BK8M49		✓				✓	✓	✓		ELECTRONIC BALANCE
BKYL3G	✓						✓	✓		DART-TOF
BLZRM3	✓							✓		
BMLBZE	✓	✓						✓		
BMNU9B	✓							✓		
BMW9WH	✓							✓		
BQ4D2R	✓	✓						✓	✓	
BQH32J		✓						✓		
BTL7M8	✓						✓	✓		

TABLE 1b - Examination Methods used for Item 1

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
BUMCP9	✓	✓						✓		
BUZQFH	✓						✓	✓		
BZ9LMJ	✓	✓						✓		
C2WJ8V				✓				✓	✓	
C3ETQ3	✓	✓						✓		
C3YA9Q						✓		✓		
C4ART3	✓							✓		
C69UXX	✓							✓		
C88DGY		✓						✓		LC/MS
C99K8C	✓	✓						✓		
C9CT9Q					✓			✓		
CAXFQU	✓							✓		
CBV7VU	✓	✓						✓		
CF3BAU	✓							✓		
CFUMJA		✓				✓		✓		Balance
CGMR6L					✓			✓		
CGWZJN				✓				✓		CRYSTAL TEST WAS PLATINUM CHLORIDE 10%, NEGATIVE RESULT
CHUAYC	✓							✓		
CJTDTM	✓							✓		
CK34JW	✓							✓		
CKRDYE	✓							✓		
CQ7ET7	✓	✓						✓		
CQGV EB	✓	✓						✓		Retention time used for confirmation
CRUWLQ	✓	✓						✓		
CUJAFU	✓							✓		
CVEV7Z	✓				✓			✓		
CW3GBH					✓			✓		
CXB29C	✓							✓		
D34MDJ	✓							✓		
D4433B	✓	✓						✓		
D7T6YY	✓					✓		✓		
D9VYYN	✓							✓		
DA68TG								✓		LC/MS
DATM2K	✓							✓		

TABLE 1b - Examination Methods used for Item 1

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
DBU349		✓			✓			✓		GC Retention Time Comparison to Standard
DC4MJR	✓							✓		
DCV886	✓	✓						✓		
DEAYN8					✓			✓		
DECVVW		✓						✓		
DEJCDA	✓							✓		
DEKUJT		✓						✓		GC/IR
DFGQ7M	✓	✓				✓		✓		
DJTRKD	✓							✓		
DPZQH6	✓	✓						✓		Retention Time Comparison
DQH4CE	✓	✓			✓			✓		
DR4WPQ						✓		✓		
DRDNZE	✓							✓		
DRH4EZ	✓	✓						✓		
DRX987		✓			✓			✓		
DUBC3N	✓	✓		✓				✓		
DW6DMR	✓	✓						✓		
DW9EMD	✓							✓		
DXAMYN	✓							✓		
DXCXUE		✓						✓		Raman
DXPRQV		✓				✓		✓		
E23H86	✓	✓				✓		✓		
E3UAZ8			✓			✓	✓	✓		
E3XR7J	✓				✓			✓		
E4TRAJ		✓				✓		✓		
E67PU9		✓				✓		✓		ELECTRONIC BALANCE
E6GR33	✓							✓		
E7CCU9		✓						✓		
E7T3YR	✓	✓						✓		
EATDWC	✓	✓			✓			✓		
EEBYD		✓				✓	✓	✓		
EEFK3T	✓	✓						✓		
EFED4C		✓						✓		
EFZ9VA	✓	✓			✓			✓		
EG42AF								✓		
EJAQNA		✓				✓				

TABLE 1b - Examination Methods used for Item 1

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
EMG6TA	✓	✓				✓		✓		
ENQEL7	✓	✓				✓		✓		
ENTLQ3						✓		✓		
ENXV3Y		✓	✓			✓	✓	✓		ELECTRONIC BALANCE
EPDLGH		✓						✓		
EPZKJY		✓						✓		
ER3W9B		✓						✓		
ETBTDR		✓						✓		Electronic Balance
EU2AVB		✓				✓		✓		
EURA7L								✓		
EV6L36	✓	✓						✓		
EVK6L3	✓							✓		
EWCW6E	✓						✓	✓		
EXFJH8	✓							✓		
EXT7X2	✓							✓		
EY7KJP		✓			✓			✓		
EYZMV8		✓						✓		
EZGL96								✓		
F2C7L2	✓					✓		✓		
F3J3XC	✓	✓						✓		
F6H3C3	✓							✓		
F6HZPJ	✓				✓			✓		
F8X4CA	✓	✓				✓		✓		
F92XD9	✓							✓		
FBDX84	✓							✓		
FBUDZB	✓	✓			✓			✓		weight of the substance
FK6DW8	✓							✓		
FKKY7A	✓	✓			✓			✓		
FKMHE7								✓		
FKTAMK	✓	✓				✓		✓		
FKTHZR		✓						✓		
FL8KR6		✓						✓		Raman
FMGKNL		✓						✓		
FNNNTC	✓	✓						✓		
FPHUB9	✓	✓				✓		✓		
FRN7D4	✓	✓						✓		



TABLE 1b - Examination Methods used for Item 1

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
FRU2UA	✓				✓		✓	✓		GC-FTIR
FTAM2C	✓				✓			✓		
FU8ZHD		✓						✓		
FWPNUP		✓						✓		GC/MS Derivitization
FY49GE		✓						✓		
FZN3GE	✓									
G26XV8	✓	✓				✓		✓		
G3378X					✓			✓		
G3K3RK	✓						✓	✓		Raman
G68WA7		✓			✓			✓		
G6Q7EL	✓							✓		
G7UVBB	✓							✓		
GBVLQA	✓	✓						✓		
GCT9PE	✓	✓						✓		
GDL48F	✓				✓			✓		
GDVR82								✓		
GG9FBR		✓				✓		✓		
GHE4NW	✓							✓		
GHMER2	✓							✓		
GHRCFR	✓							✓		
GKWZJV	✓				✓			✓		
GMN3JH	✓	✓				✓		✓		
GNB47J					✓			✓		
GPX9HH	✓							✓		
GQDL6U	✓						✓	✓		
GRABT3	✓							✓		
GT2G6M						✓		✓		
GUAQKE		✓			✓			✓		
GULNH4		✓						✓		
GUNC24	✓							✓		
GXC7DG		✓				✓		✓		
GXPRV7	✓	✓				✓		✓		
GZHKQP	✓				✓	✓		✓		Retention time on GC/MS compared to standard run on same instrument.
H3EQKK	✓							✓		Solubility
H4CUH3	✓	✓						✓		

TABLE 1b - Examination Methods used for Item 1

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
H4QXLM	✓							✓		
H62T8F	✓							✓		
H6LMWW	✓				✓			✓		
H8BTE8	✓	✓								
H9MQNH	✓	✓				✓		✓		
HBQGUX	✓							✓		
HCN92J		✓				✓		✓		
HE6ZY9		✓						✓		
HEF6TX	✓	✓						✓		
HGE4LW		✓						✓		
HGGUWL								✓		
HHDNVW	✓	✓						✓		
HJ9M7V	✓	✓						✓		
HKDMLA	✓	✓						✓		
HL37G9	✓	✓						✓		
HN2BJB	✓	✓						✓		
HNAZFM	✓							✓		
HP97WG		✓						✓		
HPFA36	✓							✓		
HQ3ZMX	✓	✓				✓		✓		
HQBPE2	✓	✓						✓		GC Retention time used for confirmation.
HTMZDD		✓						✓		
HUTFJ7	✓	✓			✓			✓		
HVQ3FP	✓	✓						✓		
HXZUHB	✓							✓		
J3UHYN	✓	✓						✓		
J4CAAT	✓	✓						✓	✓	
J4LZNW	✓							✓		weight (net)
J4QGWG	✓							✓		
J4VRBY								✓		
J6DZU9	✓	✓						✓		
J7N387		✓						✓		
J89ZCY	✓	✓						✓		
J8WGT8	✓				✓			✓		GC-FTIR
J8XCEY	✓				✓			✓		
J92XJ6	✓	✓				✓		✓		

TABLE 1b - Examination Methods used for Item 1

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
JEFJXW								✓		
JF779R	✓	✓						✓		
JHNDDU	✓				✓			✓		
JJ3EDF		✓				✓		✓		
JL4YVF								✓		
JMH8DG	✓	✓				✓		✓		
JMJ6J7	✓	✓				✓				
JMN3V9	✓					✓		✓		
JPWU29		✓	✓			✓	✓	✓		
JQLEXY	✓							✓		
JQN8UL	✓	✓		✓				✓		
JRREL9		✓						✓		
JWPNZL	✓	✓						✓		
JWZ3V4		✓						✓		
K2KMZ3		✓					✓	✓		
K2QQ29					✓			✓		
K37YGN		✓						✓		
K6QZ79	✓							✓		
KA2MRD								✓		
KAWQ3V	✓	✓						✓		
KBJUTB		✓						✓		
KDETGF	✓							✓		
KDQEC4	✓	✓						✓		
KHR67L		✓						✓		
KJFRFD	✓							✓		FTIR ATR
KLB6HV		✓				✓	✓	✓		
KLVFKH								✓		LC/MS/MS
KNW4GC	✓							✓		
KQEYRC	✓	✓				✓		✓		
KQGJMR	✓							✓		
KRAYWX	✓							✓		
KUXZ4C		✓				✓		✓		
KX6L8W		✓						✓		LC/MS
KXUWM7		✓				✓		✓		
L2JFMU		✓				✓		✓		ELECTRONIC BALANCE
L3MF4U		✓						✓		

TABLE 1b - Examination Methods used for Item 1

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
L68GUB		✓						✓		
L68L8X	✓							✓		
L6V6QH	✓	✓						✓		Retention Time of standard
L8H8CR	✓				✓			✓		
L97TUG	✓	✓						✓		
L9LKJK		✓						✓		
LGBY3B	✓	✓				✓		✓		
LJBN6Y		✓						✓		
LJE978		✓	✓			✓	✓	✓		ELECTRONIC BALANCE
LJE98R		✓	✓			✓				
LMCBWM		✓						✓		
LMHYJD	✓			✓				✓		
LP79UZ								✓		GC Retention Time
LPBTH4	✓	✓						✓		
LT77ZF	✓				✓			✓		
LUX7YC	✓	✓						✓		
LWEBYN	✓							✓		
LX4ERV	✓	✓						✓		
LXDN9G								✓		GC/FID
LY3NUD	✓	✓						✓		
LYTZVT	✓	✓						✓		
LZ6BQG	✓						✓	✓		
LZTABA	✓								✓	
M3QBNC	✓							✓		FTIR ATR
M6WVDX								✓		
M7D7VX	✓							✓		
M7M2PG	✓					✓		✓		
M9CDM2								✓		GC/MS RT
MANDLC	✓					✓		✓		
MBBCF2	✓	✓				✓		✓		
MBR2E2		✓						✓		
MDUWX6		✓						✓		
ME34XY	✓	✓						✓		
MEA3Q2	✓	✓						✓		
MF8BYK	✓							✓		
MFKW89	✓	✓						✓		

TABLE 1b - Examination Methods used for Item 1

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
MGXH4P								✓		
MHCXKC	✓	✓			✓			✓		
MJX8AW								✓		
MKNF9Z		✓				✓	✓	✓		
MLWCEJ		✓						✓		
MMC6CD										FTIR x2; GC/MS x2
MQ7ZN9	✓					✓		✓		
MURTRP	✓				✓			✓		
MWKJEE					✓			✓		
MXPG6P	✓	✓						✓		
MZM6ZD		✓				✓		✓		
MZT7G7		✓						✓		
N3E9VJ	✓							✓		
N4E99N	✓				✓			✓		
N4LPUP		✓						✓		
N83Y22								✓		
NAETXE	✓	✓						✓		
NBH622	✓							✓		
NBWJMP	✓							✓		
NC3CV7	✓	✓						✓		
NE9RBN	✓				✓			✓		
NEU3AX	✓	✓			✓			✓		
NJ2UC4		✓						✓		
NJDXPU	✓						✓	✓		
NKDKC8	✓							✓		
NKGTVT					✓			✓		
NMZY33	✓				✓			✓		
NN7LAF	✓	✓						✓		
NNMTAC	✓	✓				✓		✓		
NNN7TK	✓									GC/MS x2
NNVNCP	✓				✓			✓		
NPBR4W	✓							✓		
NQGCRW	✓							✓		
NRQ3KZ	✓							✓		
NT8JA8	✓	✓						✓		
NTMWFW	✓	✓						✓		

TABLE 1b - Examination Methods used for Item 1

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
NTPMQK	✓							✓		
NVJBZ								✓		GC Retention Time
NVZLJM	✓		✓					✓		
P293DE	✓							✓		
P2ZPJ7	✓							✓		GC/FID
P3UWT4		✓						✓	✓	
P77Z2T								✓		
PCNXN8	✓							✓		
PFVMF4		✓						✓		
PHC47A								✓		GC-FID
PM7ZTF		✓						✓		
PNXF47		✓						✓		
PRM9LY		✓						✓		
PRMB8X		✓						✓		LC/MS
PT8ZMW	✓	✓						✓		
PTU2AY		✓	✓			✓	✓	✓		ELECTRONIC BALANCE, HPLC
PTUYMF	✓	✓				✓		✓		
PUKQAZ	✓	✓				✓		✓		
PVBKPB	✓				✓			✓		
PVP4A9	✓	✓			✓			✓		
PWQVQP	✓							✓		
PY4FV4					✓			✓		
Q33MZL	✓	✓				✓		✓		
Q4B38K					✓			✓		
Q6E7DP		✓						✓		
Q6GEJ9	✓							✓		
Q7QZXW	✓	✓			✓			✓		
Q9H738		✓				✓		✓		
QA3WD7	✓	✓						✓		
QBY44X	✓							✓		
QC33K7	✓	✓						✓		
QCP8Z6	✓	✓			✓			✓		
QDFDCN		✓				✓	✓	✓		BALANCE
QFX3D8	✓					✓		✓		
QHHL4Q		✓			✓			✓		
QHN87E	✓	✓						✓		

TABLE 1b - Examination Methods used for Item 1

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
QLC44Q	✓							✓		
QMXFFW	✓	✓						✓		
QQY3XL	✓				✓			✓		
QTVYV2		✓						✓		
QVNFYN		✓				✓		✓		
QXBDOU		✓						✓		
QXZQVY	✓	✓						✓		
QYBH2U	✓	✓						✓		UV fluorescence
QYWKUA		✓			✓			✓		
R28EDM	✓							✓		
R4369M	✓	✓						✓		
R63JY8	✓							✓		
R64R9Z		✓						✓		Raman
RDU2DF		✓				✓		✓		
RFAMFC	✓							✓		
RGR2DR								✓		
RGV8PZ		✓	✓			✓		✓		
RHBVHZ		✓						✓		
RHE7N6	✓							✓		
RHX4Z6								✓		
RLK2RM	✓	✓						✓		
RLUYEX		✓						✓		
RMHCNQ								✓		
RNDDQE	✓					✓		✓		
RQCWAF	✓	✓			✓			✓		
RUXAVA	✓				✓	✓		✓		
RXVK33	✓	✓				✓		✓		
RYAZG6		✓						✓		
RYK8D6	✓				✓			✓		
RYTHJV	✓							✓		
RYZ2N9				✓				✓		
T26YM9								✓		
T3FV47				✓				✓		
T3KHA6	✓				✓			✓		
T44CBT								✓		
T4TUMZ	✓	✓				✓		✓		

TABLE 1b - Examination Methods used for Item 1

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
T7BMAH	✓	✓						✓		
T82EVF					✓		✓	✓		
T8W2WZ	✓						✓	✓		
T8WKXM		✓						✓		
TABP87					✓			✓		
TAVKR7							✓	✓		
TBFWYR	✓	✓						✓		
TBL76W		✓	✓			✓		✓		
TC3UWW		✓						✓		
TE6F22		✓			✓			✓		
TEWGL8		✓			✓			✓		
THE6FX	✓							✓		
TLPTM3		✓						✓		
TMGFVC								✓		DART - Agilent TOF Mass Spectrometry
TNB6XK	✓	✓						✓		
TNEY6D	✓							✓		
TQ3FDZ		✓						✓		Raman
TQGBAT								✓		
TR33ZB	✓						✓	✓		
TUCKJL		✓				✓	✓	✓		
TUKL2N	✓							✓		
TW9AAG								✓		
TWD482	✓				✓			✓		
TXMMT								✓		
TY2ZWA	✓	✓			✓			✓		
TZY8DR		✓	✓			✓		✓		
U2DEC2	✓	✓						✓		
U43F4M	✓							✓		
U7C2X3		✓						✓		
U7ZCLW	✓	✓				✓		✓		
U8FQVR	✓							✓		GC/FID
U9CFGE	✓	✓				✓		✓		
UAZY22	✓	✓		✓						
UDADAY								✓		
UENY2E	✓	✓						✓		
UEWA9Y	✓	✓				✓		✓		



TABLE 1b - Examination Methods used for Item 1

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
UF2PVQ		✓						✓		
UFGNA9	✓	✓						✓		
UG4GT6		✓						✓		
UH8XDH								✓		
UHE2J7					✓			✓		
UHV38H		✓						✓		NMR
UJJMP9	✓							✓		
UKJ4EW	✓	✓			✓			✓		
UKUFQ2	✓	✓								
ULUUE2	✓	✓				✓		✓		
UQ8BRG	✓							✓		
URQHBZ					✓			✓		
UUYGWU	✓				✓			✓		
UV8RQD	✓	✓						✓		
UWKFUP		✓						✓		
UZ4BY3	✓				✓			✓		
UZBDV3	✓	✓						✓		
V2FAP7										GC/MS X2
V3JZ6C		✓					✓	✓		
V6EYW6	✓							✓		
V8M3T2								✓		
V9CEBU								✓		Dispersive Raman Spectroscopy
VBVRFV	✓				✓			✓		
VBY2VU	✓				✓			✓		
VCHMRQ	✓							✓		
VEBM9L					✓			✓		
VEMUCA	✓	✓				✓		✓		
VFNHZF	✓							✓		
VGQB6T	✓				✓			✓		
VHUYEX	✓							✓		GC Screen
VHVGAT	✓							✓		
VLTG9J		✓						✓		
VMYJNH	✓							✓		
VP77Q8	✓							✓		
VRX7ZP	✓	✓			✓			✓		
VRZHUT	✓							✓		

TABLE 1b - Examination Methods used for Item 1

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
VUXWTR	✓							✓		
VZ8792		✓						✓		
W2U6XJ		✓			✓			✓		
W43FUM	✓				✓			✓		
W4ALAM		✓				✓	✓	✓		
W4E6NY		✓						✓		
W78L9D	✓		✓					✓		HPLC-UV
W7XVLA		✓				✓		✓		
W84HLA	✓							✓		
W9TRDX		✓						✓		Raman
WB6NZF					✓			✓		
WCQQP3	✓	✓						✓		
WE8FQQ	✓							✓		
WEKWL	✓							✓		
WFH6UD	✓							✓		
WG43U4	✓				✓			✓		
WHLGPX	✓	✓						✓		
WKVQFA		✓						✓		
WLCLRW	✓							✓		
WN9MB8	✓						✓	✓		
WND6KP		✓				✓	✓	✓		
WNQ2A4	✓	✓				✓		✓		
WNQ2CP		✓						✓		
WPUPHE	✓	✓						✓		
WQ26KZ	✓	✓			✓			✓		
WTZ2TL	✓	✓						✓		
WUBYPQ								✓		
WUY6JQ	✓	✓						✓		
WXTBQ2	✓					✓		✓		
WY924X	✓	✓				✓		✓		
WYWZNQ	✓	✓						✓		
X3VGBP		✓	✓			✓		✓		BALANCE
X4WKNL		✓						✓		
X6YA89	✓	✓						✓		
X76UH4					✓			✓		
X8Y2Z2								✓		GC-FID

TABLE 1b - Examination Methods used for Item 1

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
X9FTED	✓							✓		
X9TDEV	✓							✓		
X9X6QQ	✓	✓						✓		
XAD9YP	✓	✓		✓				✓		
XBU7PU	✓				✓			✓		
XEL9XE	✓				✓			✓		
XH6MM3	✓	✓				✓		✓		
XHKLJH		✓						✓		LC/MS
XL4Z7L	✓	✓						✓		
XQJ3CW	✓			✓		✓				
XUMA4A	✓	✓			✓			✓		
XUXJP8	✓	✓				✓		✓		
XVETKU	✓						✓	✓		
XVZRBL	✓							✓		
XYUTT2	✓							✓		
XZJKQU	✓							✓		DART-TOF
XZZGVK	✓	✓						✓		
Y2JUJ3	✓	✓						✓		
Y3JA9U	✓	✓						✓		
Y3JVWY	✓	✓			✓			✓		
Y4BU67	✓	✓			✓	✓		✓		
Y4RKZQ	✓	✓			✓			✓		
Y6NWTK		✓						✓		
Y6XRN4	✓	✓		✓				✓		
YAPUUP	✓							✓		
YB7TA9	✓				✓			✓		
YB87WN								✓		
YBLA8L						✓		✓		
YCYDZK		✓						✓		
YDAB2V		✓						✓		
YFZPYY	✓					✓		✓		
YFZUA2		✓			✓			✓		
YGGBV3	✓	✓						✓		
YH9FFM		✓						✓		
YHXGLE	✓				✓			✓		
YJMYBT	✓				✓			✓		

TABLE 1b - Examination Methods used for Item 1

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
YKTULB	✓				✓			✓		
YKXR3L								✓		
YL372R		✓				✓	✓	✓		ELECTRONIC BALANCE
YMFYFM	✓	✓					✓	✓		
YMYDTK	✓							✓		
YNHGXK		✓						✓		
YNHJMP	✓	✓						✓		
YPNNLX		✓				✓		✓		
YQUKYU	✓	✓						✓		
YR3KCA	✓							✓		
YRBH4K	✓							✓		
YRMNH4		✓				✓		✓		
YT6KBG	✓	✓						✓		
YUFV2L		✓	✓			✓	✓	✓		ELECTRONIC BALANCE
YWRY3C	✓							✓		Weight determination
YX373J								✓		
YYWMJM		✓						✓		
YZ24AH	✓							✓		
Z298CR	✓	✓						✓		
Z2ZTMY								✓		
Z3JRZ9	✓							✓		
Z4LJPP	✓				✓			✓		
Z6N3XL	✓	✓						✓		
Z6RCWJ	✓	✓			✓			✓		
Z6RHQC	✓							✓		
Z74GKL		✓				✓	✓	✓		
Z7CUGH		✓						✓		weight determination
Z9P7RU	✓				✓		✓	✓		
ZD2U3V	✓				✓			✓		
ZKNYFB	✓	✓					✓	✓		
ZM8FRH	✓	✓						✓		
ZMEM7Q	✓	✓			✓			✓		
ZML7A2	✓						✓	✓		Solubility/AgNO3
ZNG94R	✓	✓						✓		
ZNYDZP	✓	✓				✓		✓		
ZPEBDR		✓				✓		✓		

TABLE 1b - Examination Methods used for Item 1

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
ZPPAXC	✓	✓				✓		✓		
ZQWRYU	✓	✓						✓		
ZT64EA	✓				✓			✓		
ZV6JY8						✓		✓		
ZVAENR		✓						✓		Raman
ZWAE4K	✓	✓			✓			✓		
ZYGQM8	✓							✓		

**Response Summary**

Participants	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro
759	469	427	25	14	128	139	49	743	11
Percent	62%	56%	3%	2%	17%	18%	6%	98%	1%

## Drug Analysis (Item 2)

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
22HMYZ	Ketamine	2RRDHC	Ketamine HCl
247HHG	Ketamine	2VRR2V	Ketamine HCl
24FVGA	Ketamine	2ZJ83N	Ketamine Hydrochloride
24QQVW	Ketamine	33Z29M	Ketamine
269RNQ	Ketamine III	34928A	Ketamine
26DYD7	Ketamine	37H8LN	Ketamine Hydrochloride
289UKT	Ketamine	38HJXQ	ketamine
29YMCK	Ketamine	39QYAX	ketamine
2CTM88	ketamine	3ADGUH	KETAMINE
2EMFDC	KETAMINE	3AGCLN	Ketamine - solid substance
2F4WNQ	Ketamine	3B9BKU	Ketamine
2GHC2R	Ketamine	3FHCEH	KETAMINE
2HE4F6	Ketamine	3GD6KG	Ketamine - CDS III
2HPUWG	ketamine	3KBTWW	Ketamine
2LNR8N	Ketamine	3KUMQF	Ketamine
2M3GQL	Ketamine	3PRKHX	Ketamine HCL
2NKXAZ	Ketamine	3Q3ZE7	Ketamine
2NKZY6	Ketamine	3QUMQN	Ketamine
2RAMBD	Ketamine	3V7K9J	Ketamine
2RCE3U	Ketamine	3WVXKA	Ketamine
2RMCZJ	Ketamine	3X8G6J	ketamine

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
3YB4GD	Ketamine HCl - CDS III	4WE3VL	Ketamine
3Z3H22	Ketamine	4XFERV	Ketamine
3Z4N73	Ketamine HCl	4YVN7F	Ketamine HCl
3ZNTMB	Ketamine, Schedule III	638JYB	Ketamine
47C6LH	Ketamine III CDS	64VGAG	Ketamine
498LAQ	Ketamine	66FYTV	Ketamine
49BPZ3	Ketamine - Salt form not determined	69LJPV	Ketamine
49XELN	KETAMINE, SCHEDULE III; KETAMINE HYDROCHLORIDE	69ZE6P	Ketamine
4CQHXC	Ketamine	6AR64V	ketamine
4CYHFW	Ketamine	6AWBXC	Ketamine
4EE4HR	Ketamine, Schedule III	6BBJFD	ketamine
4FQFF2	Ketamine HCl	6CPNPG	Ketamine
4FV94W	Ketamine	6D3CB2	Ketamine HCl
4FZL3C	Ketamine	6FJK4G	Ketamine
4HQMBL	Ketamine	6FPEZG	Ketamine HCl
4L39KY	Ketamine III	6GCFMJ	Ketamine
4L49JE	Ketamine HCl	6JHQAT	Ketamine
4LH2EB	Ketamine	6K97QA	KETAMINE
4LN4P2	Ketamine	6LKWXT	KETAMINE
4LXH8J	Ketamine	6N77RL	Ketamine HCl
4RP9QE	Ketamine	6NVCDY	Ketamine
4TG4DM	Contains Ketamine	6Q8Z4Q	Ketamine (CIII) salt form not confirmed

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
6QUPMR	Ketamine	7NFEUZ	Ketamine
6U22YD	Ketamine	7NYZNB	Ketamine
6VMRTC	Ketamine	7PEE9P	Ketamine
6X9NZ3	Ketamine	7PULFG	ketamine
6YV2D9	Ketamine	7RYTWT	Ketamine
6Z6LQ4	Ketamine	7T7QRG	Ketamine
6ZCGWM	Ketamine	7TTFBH	Ketamine
76MWZJ	Ketamine	7ULVJM	Ketamine
76YABN	Ketamine/Schedule III	7V9C3M	Ketamine
79R2TC	KETAMINE	7WRFBU	Ketamine
7ATYYM	ketamine	7X38DJ	Ketamine
7BFB6Y	Ketamine	7XMD2U	Ketamine
7DGLJN	Ketamine HCl	7YFUXJ	Ketamine
7GELVJ	Ketamine HCl	7ZKN2P	Ketamine
7GNAL4	Ketamine	82EM6M	Ketamine
7J88WM	Ketamine HCl (Hydrochloride)	82M3JU	Ketamine
7JEEEB	Ketamine	83KR6G	Ketamine
7JF2ZV	Ketamine	83KWFJ	KETAMINE
7KYU4D	Ketamine	84788Q	Contains Ketamine
7KYYHM	Ketamine	848EJE	Ketamine
7L97HU	Ketamine	84993J	Ketamine (Schedule III)
7LMFEN	Ketamine	86FHZH	Ketamine Hydrochloride



TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
86VYYH	ketamine	9CJC3W	Ketamine
89KHKU	Ketamine	9CZH6T	Ketamine
8GXLFZ	Ketamine Hydrochloride	9DVLUE	KETAMINE
8H6MZT	Ketamine	9EKXC9	Ketamine
8L7KKT	Ketamine HCl	9F28LL	ketamine
8M7NGZ	Ketamine	9H3PMG	Ketamine (HCl)
8MRV8R	Ketamine	9MGTFY	KETAMINE
8P3DAG	Ketamine	9NDH2L	Ketamine
8QKNXV	Ketamine	9NP2AR	Ketamine
8QQFQH	KETAMINE	9NXEAF	Ketamine HCl
8UQPXD	KETAMINE	9PQQ7L	Ketamine
8VBPDA	ketamine	9Q949J	Ketamine
8VFCGN	Ketamine	9QG2LU	Ketamine
8XEGNV	Ketamine	9QJ8ZN	Ketamine HCl
8XG2JB	Ketamine HCl	9QLTZB	Ketamine
8XKZZJ	Ketamine	9RZC3L	Ketamine/Schedule III
8ZBPFB	KETAMINE	9TVPUF	Ketamine
8ZLQPZ	Ketamine	9VCCR8	KETAMINE
93KJYP	Ketamine Hydrochloride	9XQMCJ	Ketamine Hydrochloride
93KNBD	Ketamine HCl salt	9ZZFKQ	Contains Ketamine
96CD3L	Ketamine	A3CMMA	Ketamine
9CHDPF	ketamine	A3E3AH	KETAMINE

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
A42H2K	Ketamine	B94JC8	Ketamine
A43TYU	Ketamine	B9WDXQ	Ketamine
A9RA2V	Ketamine, CIII	BA33JL	Ketamine
A9WDM6	Ketamine HCl	BA6NE2	Ketamine
ACLBWH	Ketamine	BCFHH8	Ketamine
ADLCX9	Ketamine	BDWKDL	Ketamine
AEE2BA	Ketamine	BGEP7P	Ketamine
AFEHxD	Ketamine	BGNVW8	Ketamine
AKAUVF	ketamine	BJX96E	Ketamine
AMWZ6U	Ketamine	BK8KE4	KETAMINE
AN7XMH	Ketamine Hydrochloride	BK8M49	KETAMINE
AQAT6Y	Ketamine HCl	BKYL3G	Ketamine
AWMR26	KETAMINE	BLZRM3	ketamine
AWNMMW	Ketamine	BMLBZE	Ketamine
AXLPET	Ketamine/Schedule III	BMNU9B	Ketamine
AZX3GU	Ketamine Hydrochloride	BMW9WH	Ketamine
B2ZJUQ	Ketamine found	BQ4D2R	Ketamine/Schedule III
B69HH7	Ketamine	BQH32J	Ketamine Hydrochloride
B6YXGF	Ketamine Hydrochloride	BTL7M8	Ketamine
B7UJ9L	Ketamine Hydrochloride	BUMCP9	Ketamine
B86Q82	Ketamine	BUZQFH	ketamine
B8KBUJ	Ketamine	BZ9LMJ	Ketamine

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
C2WJ8V	Ketamine	CVEV7Z	Ketamine, Schedule III
C3ETQ3	ketamine	CW3GBH	Ketamine
C3YA9Q	Ketamine	CXB29C	Ketamine
C4ART3	Ketamine	D34MDJ	Ketamine
C69UXX	ketamine	D4433B	Ketamine Hydrochloride
C88DGY	ketamine hydrochloride	D7T6YY	Ketamine
C99K8C	Ketamine	D9VYYN	Ketamine
C9CT9Q	ketamine	DA68TG	Ketamine
CAXFQU	Ketamine	DATM2K	Ketamine
CBV7VU	Ketamine	DBU349	Ketamine
CF3BAU	Ketamine	DC4MJR	Ketamine
CFUMJA	Ketamine	DCV886	Ketamine
CGMR6L	Ketamine	DEAYN8	Ketamine
CGWZJN	KETAMINE PRESENCE WAS CONFIRMED.	DECVWW	Ketamine
CHUAYC	Ketamine	DEJCDA	Ketamine
CJTDTM	ketamine	DEKUJT	Ketamine
CK34JW	ketamine	DFGQ7M	Ketamine
CKRDYE	ketamine	DJTRKD	Ketamine
CQ7ET7	Ketamine	DPZQH6	Ketamine
CQGVEB	Ketamine	DQH4CE	Ketamine
CRUWLQ	Ketamine	DR4WPQ	Ketamine
CUJAFU	Ketamine	DRDNZE	Ketamine

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
DRH4EZ	Ketamine	EJAQNA	Ketamine
DRX987	ketamine	EMG6TA	Contains Ketamine
DUBC3N	Ketamine	ENQEL7	Ketamine
DW6DMR	Ketamine	ENTLQ3	Ketamine
DW9EMD	ketamine	ENXV3Y	KETAMINE
DXAMYN	Ketamine	EPDLGH	Ketamine Hydrochloride
DXCXUE	Ketamine	EPZKJY	Ketamine
DXPRQV	Ketamine	ER3W9B	Ketamine
E23H86	Ketamine	ETBTDR	identified Ketamine
E3UAZ8	KETAMINE	EU2AVB	Ketamine
E3XR7J	Ketamine	EURA7L	Ketamine
E4TRAJ	Ketamine HCl	EV6L36	Ketamine
E67PU9	KETAMINE	EVK6L3	Ketamine
E6GR33	Ketamine	EWCW6E	ketamine
E7CCU9	ketamine hydrochloride	EXFJH8	Ketamine
E7T3YR	Ketamine Hydrochloride	EXT7X2	Ketamine
EATDWC	Ketamine (in Halide salt form)	EY7KJP	Ketamine
EEBYD	KETAMINE	EYZMV8	Ketamine
EEFK3T	Ketamine	EZGL96	Ketamine
EFED4C	Ketamine	F2C7L2	Ketamine
EFZ9VA	Ketamine	F3J3XC	Ketamine
EG42AF	Ketamine	F6H3C3	Ketamine

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
F6HZPJ	ketamine	G3378X	Ketamine, Schedule III
F8X4CA	Ketamine	G3K3RK	Ketamine
F92XD9	Ketamine	G68WA7	Ketamine hydrochloride
FBDX84	Ketamine	G6Q7EL	Ketamine
FBUDZB	Ketamine	G7UVBB	Ketamine
FK6DW8	Ketamine	GBVLQA	Ketamine
FKKY7A	Ketamine	GCT9PE	Ketamine
FKMHE7	Ketamine	GDL48F	Ketamine
FKTAMK	Ketamine HCl	GDVR82	Ketamine
FKTHZR	Ketamine	GG9FBR	Ketamine
FL8KR6	Ketamine HCl	GHE4NW	Ketamine
FMGKNL	ketamine	GHMER2	This item contains ketamine
FNNNTC	Ketamine	GHRCFR	Ketamine
FPHUB9	Contains Ketamine	GKWZJV	Ketamine
FRN7D4	Ketamine	GMN3JH	Contains Ketamine
FRU2UA	Ketamine	GNB47J	ketamine
FTAM2C	Ketamine	GPX9HH	Ketamine
FU8ZHD	Ketamine Hydrochloride	GQDL6U	ketamine
FWPNUP	Ketamine HCl	GRABT3	Ketamine
FY49GE	Ketamine HCl	GT2G6M	Ketamine
FZN3GE	No controlled substance detected/identified	GUAQKE	Ketamine
G26XV8	Ketamine	GULNH4	Ketamine Hydrochloride

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
GUNC24	Ketamine	HNAZFM	Ketamine
GXC7DG	Ketamine HCl	HP97WG	Ketamine hydrochloride
GXPRV7	ketamine	HPFA36	Ketamine
GZHKQP	Ketamine	HQ3ZMX	Ketamine
H3EQKK	Ketamine	HQBPE2	Ketamine
H4CUH3	ketamine	HTMZDD	Ketamine Hydrochloride
H4QXLM	Ketamine	HUTFJ7	Ketamine
H62T8F	Ketamine	HVQ3FP	Ketamine
H6LMWW	Ketamine	HXZUHB	Ketamine
H8BTE8	Ketamine	J3UHYN	Ketamine (HCl) ([State] Schedule III)
H9MQNH	Ketamine	J4CAAT	Ketamine
HBQGUX	Ketamine	J4LZNV	Ketamine
HCN92J	Ketamine	J4QGWG	Ketamine
HE6ZY9	Ketamine - FT-IR and GC-MS	J4VRBY	Ketamine
HEF6TX	Ketamine	J6DZU9	Ketamine HCl
HGE4LW	Ketamine Hydrochloride	J7N387	Ketamine
HGGUWL	Ketamine HCl	J89ZCY	Ketamine
HHDNVW	Ketamine	J8WGT8	Ketamine
HJ9M7V	Ketamine HCl	J8XCEY	Ketamine
HKDMLA	Ketamine	J92XJ6	Ketamine
HL37G9	Ketamine	JEFJXW	Ketamine
HN2BBJ	Ketamine	JF779R	ketamine

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
JHNDDU	Ketamine	KJFRFD	Ketamine
JJ3EDF	Ketamine	KLB6HV	KETAMINE
JL4YVF	Ketamine	KLVFKH	Ketamine
JMH8DG	Ketamine	KNW4GC	Ketamine
JMJ6J7	Ketamine HCl	KQEYRC	Contains Ketamine
JMN3V9	Ketamine	KQGJMR	Ketamine
JPWU29	KETAMINE	KRAYWX	Ketamine
JQLEXY	ketamine	KUXZ4C	Ketamine
JQN8UL	Ketamine HCl	KX6L8W	Ketamine
JRREL9	Ketamine Hydrochloride	KXUWM7	Ketamine
JWPNZL	Ketamine (salt form not determined)	L2JFMU	KETAMINE
JWZ3V4	Ketamine HCl	L3MF4U	Ketamine hydrochloride
K2KMZ3	Ketamine HCl	L68GUB	Ketamine Hydrochloride
K2QQ29	Ketamine	L68L8X	Ketamine
K37YGN	Ketamine	L6V6QH	Ketamine HCl
K6QZ79	Ketamine	L8H8CR	Ketamine
KA2MRD	Ketamine	L97TUG	Ketamine
KAWQ3V	Ketamine	L9LKJK	Ketamine
KBJUTB	Ketamine	LGBY3B	Ketamine HCl
KDETGF	Ketamine	LJBN6Y	Ketamine
KDQEC4	Ketamine	LJE978	KETAMINE
KHR67L	Ketamine	LJE98R	KETAMINE

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
LMCBWM	Ketamine HCl	ME34XY	Ketamine
LMHYJD	Ketamine	MEA3Q2	Ketamine HCl
LP79UZ	Ketamine	MF8BYK	ketamine
LPBTH4	ketamine	MFKW89	Ketamine
LT77ZF	Ketamine (III)	MGXH4P	Ketamine
LUX7YC	Ketamine	MHCXKC	Ketamine HCl
LWEBYN	Ketamine	MJX8AW	Ketamine
LX4ERV	Ketamine	MKNF9Z	KETAMINE
LXDN9G	Ketamine	MLWCEJ	ketamine HCL
LY3NUD	Ketamine	MMC6CD	Ketamine
LYTZVT	Ketamine HCl	MQ7ZN9	Ketamine
LZ6BQG	Ketamine	MURTRP	Ketamine, Schedule III
LZTABA	No controlled substance detected/identified	MWKJEE	Ketamine
M3QBNC	Ketamine	MXPG6P	Ketamine hydrochloride
M6WVDX	Ketamine	MZM6ZD	ketamine
M7D7VX	Ketamine	MZT7G7	Ketamine Hydrochloride
M7M2PG	Ketamine	N3E9VJ	ketamine
M9CDM2	Ketamine	N4E99N	Ketamine
MANDLC	Ketamine	N4LPUP	ketamine (salt form not determined)
MBBCF2	Ketamine	N83Y22	Ketamine
MBR2E2	Ketamine Hydrochloride	NAETXE	Ketamine
MDUWX6	Ketamine Hydrochloride	NBH622	Ketamine



TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
NBWJMP	Ketamine	P2ZPJ7	Ketamine
NC3CV7	Ketamine	P3UWT4	Ketamine
NE9RBN	Ketamine, Schedule III	P77Z2T	Ketamine
NEU3AX	Ketamine	PCNXN8	Ketamine
NJ2UC4	Ketamine Hydrochloride	PFVMF4	Ketamine Hydrochloride
NJDXPU	Ketamine	PHC47A	Ketamine
NKDKC8	Ketamine	PM7ZTF	Ketamine
NKGTVT	KETAMINE	PNXF47	Ketamine Hydrochloride
NMZY33	Ketamine	PRM9LY	Ketamine Hydrochloride
NN7LAF	Ketamine (HCl)/Schedule III	PRMB8X	Ketamine Hydrochloride
NNMTAC	Ketamine	PT8ZMW	Ketamine
NNN7TK	Ketamine	PTU2AY	KETAMINE
NNVNCP	Ketamine	PTUYMF	Ketamine
NPBR4W	Ketamine	PUKQAZ	Ketamine
NQGCRW	Ketamine	PVBKPB	Ketamine
NRQ3KZ	contains ketamine	PVP4A9	KETAMINE
NT8JA8	Ketamine	PWQVQP	Ketamine
NTMWFV	Ketamine	PY4FV4	Ketamine
NTPMQK	Ketamine	Q33MZL	Ketamine found
NVJBJZ	Ketamine	Q4B38K	Ketamine
NVZLJM	Ketamine	Q6E7DP	Ketamine
P293DE	Ketamine	Q6GEJ9	Ketamine

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
Q7QZXW	Ketamine	R64R9Z	Ketamine
Q9H738	Ketamine	RDU2DF	+ Ketamine
QA3WD7	Ketamine	RFAMFC	Ketamine
QBY44X	Testosterone	RGR2DR	Ketamine
QC33K7	Ketamine HCl	RGV8PZ	KETAMINE
QCP8Z6	Ketamine	RHBVHZ	Ketamine Hydrochloride
QDFDCN	KETAMINE	RHE7N6	Ketamine
QFX3D8	Ketamine	RHX4Z6	Ketamine
QHHL4Q	Ketamine	RLK2RM	Ketamine
QHN87E	Ketamine	RLUYEX	Ketamine HCl
QLC44Q	Ketamine	RMHCNQ	KETAMINE
QMXFFW	Ketamine	RNDDQE	Ketamine
QQY3XL	Ketamine	RQCWAF	Ketamine HCl
QTVYV2	Ketamine	RUXAVA	Ketamine (III)
QVNFYN	Ketamine	RXVK33	Ketamine
QXBDOU	Ketamine Hydrochloride	RYAZG6	Ketamine
QXZQVY	Ketamine	RYK8D6	Ketamine
QYBH2U	Ketamine	RYTHJV	Ketamine
QYWKUA	Ketamine	RYZ2N9	Ketamine
R28EDM	Ketamine	T26YM9	ketamine
R4369M	Ketamine HCl	T3FV47	Ketamine
R63JY8	ketamine	T3KHA6	Ketamine

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
T44CBT	Ketamine	TUKL2N	Ketamine
T4TUMZ	Ketamine	TW9AAG	Ketamine
T7BMAH	Ketamine	TWD482	ketamine
T82EVF	Ketamine	TXXMMT	Ketamine
T8W2WZ	Ketamine CIII	TY2ZWA	Ketamine
T8WKXM	Ketamine	TZY8DR	KETAMINE
TABP87	Ketamine	U2DEC2	Ketamine
TAVKR7	Ketamine	U43F4M	Ketamine
TBFWYR	Ketamine HCl	U7C2X3	Ketamine Hydrochloride
TBL76W	KETAMINE	U7ZCLW	Ketamine
TC3UWW	Ketamine Hydrochloride	U8FQVR	Ketamine
TE6F22	Ketamine Hydrochloride	U9CFGE	Ketamine
TEWGL8	Ketamine Hydrochloride	UAZY22	Ketamine
THE6FX	Ketamine	UDADAY	Ketamine
TLPTM3	Ketamine Hydrochloride	UENY2E	Ketamine
TMGFVC	Ketamine	UEWA9Y	Ketamine
TNB6XK	Ketamine	UF2PVQ	Ketamine Hydrochloride
TNEY6D	Ketamine	UFGNA9	Ketamine Schedule III
TQ3FDZ	Ketamine	UG4GT6	Ketamine HCl
TQGBAT	Ketamine	UH8XDH	Ketamine
TR33ZB	Ketamine	UHE2J7	ketamine
TUCKJL	KETAMINE	UHV38H	Ketamine Hydrochloride

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
UJJMP9	Ketamine	VGQB6T	Ketamine
UKJ4EW	Ketamine III CDS	VHUYEX	Ketamine
UKUFQ2	Ketamine	VHVGAT	Ketamine (schedule III)
ULUUE2	Ketamine	VLTG9J	Ketamine HCL
UQ8BRG	Ketamine	VMYJNH	Ketamine
URQHBZ	Cyclohexanone (ketamine), Sch III	VP77Q8	Ketamine
UUYGWU	Ketamine	VRX7ZP	Ketamine
UV8RQD	Ketamine	VRZHUT	Ketamine
UWKFUP	Ketamine Hydrochloride	VUXWTR	Ketamine
UZ4BY3	Ketamine	VZ8792	KETAMINE HCL
UZBDV3	Ketamine	W2U6XJ	Ketamine
V2FAP7	Ketamine	W43FUM	Ketamine
V3JZ6C	Ketamine (HCl)	W4ALAM	KETAMINE
V6EYW6	Ketamine	W4E6NY	Ketamine Hydrochloride
V8M3T2	Ketamine HCl	W78L9D	Ketamine
V9CEBU	Ketamine	W7XVLA	Ketamine
VBVRFPP	Ketamine	W84HLA	Ketamine
VBY2VU	Ketamine	W9TRDX	Ketamine
VCHMRQ	Ketamine	WB6NZF	Ketamine, Schedule III
VEBM9L	Ketamine	WCQQP3	Ketamine
VEMUCA	Ketamine	WE8FQQ	[with] Ketamine
VFNHZF	Ketamine	WEKWLT	Ketamine

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
WFH6UD	Ketamine	X9FTED	ketamine
WG43U4	Ketamine	X9TDEV	Ketamine
WHLGPX	Ketamine HCl	X9X6QQ	Ketamine
WKVQFA	Ketamine	XAD9YP	Ketamine
WLCLRW	ketamine	XBU7PU	Ketamine
WN9MB8	KETAMINE	XEL9XE	Ketamine
WND6KP	KETAMINE	XH6MM3	Ketamine
WNQ2A4	Ketamine	XHKLJH	Ketamine
WNQ2CP	Ketamine	XL4Z7L	Ketamine
WPUPHE	Ketamine	XQJ3CW	No controlled substance detected/identified
WQ26KZ	Ketamine (Hydrochloride)	XUMA4A	Ketamine HCl
WTZ2TL	Ketamine HCl	XUXJP8	Ketamine
WUBYPQ	Ketamine	XVETKU	Ketamine
WUY6JQ	Ketamine	XVZRBL	Ketamine
WXTBQ2	Ketamine	XYUTT2	ketamine
WY924X	Ketamine	XZJKQU	Ketamine
WYWZNQ	Ketamine	XZZGVK	ketamine
X3VGBP	KETAMINE	Y2JUJ3	ketamine
X4WKNL	Ketamine	Y3JA9U	Ketamine
X6YA89	Ketamine	Y3JVWY	Ketamine
X76UH4	Ketamine	Y4BU67	Ketamine HCl
X8Y2Z2	Ketamine	Y4RKZQ	Ketamine

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
Y6NWTK	Ketamine Hydrochloride	YQUKYU	Ketamine CDS III
Y6XRN4	Ketamine	YR3KCA	KETAMINE
YAPUUP	Ketamine	YRBH4K	Ketamine
YB7TA9	ketamine	YRMNH4	Ketamine
YB87WN	Ketamine	YT6KBG	Ketamine
YBLA8L	Ketamine	YUFV2L	KETAMINE
YCYDZK	Ketamine Hydrochloride	YWRY3C	Ketamine
YDAB2V	Ketamine HCl	YX373J	Ketamine
YFZPYY	Ketamine	YYWMJM	Ketamine Hydrochloride
YFZUA2	ketamine	YZ24AH	Ketamine
YGGBV3	Ketamine	Z298CR	Ketamine
YH9FFM	Ketamine	Z2ZTMY	Ketamine
YHXGLE	Ketamine, Schedule III	Z3JRZ9	Ketamine
YJMYBT	Ketamine	Z4LJPP	Ketamine
YKTULB	Ketamine	Z6N3XL	ketamine hydrochloride
YKXR3L	Ketamine	Z6RCWJ	Ketamine
YL372R	KETAMINE	Z6RHQC	Ketamine (CIII)
YMFYFM	Ketamine	Z74GKL	KETAMINE
YMYDTK	The substance contains ketamine	Z7CUGH	Ketamine
YNHGXK	Ketamine	Z9P7RU	Ketamine
YNHJMP	Ketamine	ZD2U3V	Ketamine
YPNNLX	Ketamine	ZKNYFB	Ketamine

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
ZM8FRH	Ketamine		
ZMEM7Q	Ketamine		
ZML7A2	Yes - Ketamine		
ZNG94R	Ketamine		
ZNYDZP	Ketamine		
ZPEBDR	ketamine		
ZPPAXC	Ketamine found : A Schedule III controlled substance under the U.S. Controlled Substances Act.		
ZQWRYU	Ketamine		
ZT64EA	Ketamine		
ZV6JY8	Ketamine		
ZVAENR	Ketamine		
ZWAE4K	Ketamine		
ZYGQM8	Ketamine		

<i>Response Summary - Item 2</i>	
Participants: 759	
Ketamine:	755
No Controlled Substance:	3
Testosterone:	1

## Examination Methods (Item 2)

TABLE 2b - Examination Methods used for Item 2

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
22HMYZ	✓							✓	✓	
247HHG	✓	✓						✓		
24FVGA	✓							✓		
24QQVW	✓	✓				✓				
269RNQ	✓	✓			✓	✓		✓		
26DYD7	✓	✓			✓			✓		
289UKT	✓					✓		✓		
29YMCK	✓							✓		
2CTM88	✓	✓						✓		
2EMFDC					✓			✓		
2F4WNQ	✓	✓				✓		✓		
2GHC2R	✓	✓						✓		
2HE4F6								✓		DART - Agilent TOF
2HPUWG	✓							✓		IR
2LNR8N	✓	✓			✓			✓		
2M3GQL	✓	✓				✓		✓		
2NKXAZ	✓	✓						✓		
2NKZY6								✓		DART- AccuTof
2RAMBD	✓				✓			✓		
2RCE3U	✓	✓						✓	✓	
2RMCZJ	✓							✓		
2RRDHC		✓	✓		✓			✓		
2VRR2V		✓						✓		
2ZJ83N		✓						✓		
33Z29M		✓						✓		
34928A	✓						✓	✓		
37H8LN	✓	✓						✓		
38HJXQ	✓					✓		✓		
39QYAX	✓	✓			✓			✓		
3ADGUH		✓	✓			✓	✓	✓		ELECTRONIC BALANCE FOR WEIGHT
3AGCLN		✓						✓		
3B9BKU	✓							✓		
3FHCEH			✓			✓	✓	✓		
3GD6KG	✓	✓			✓			✓		
3KBTWW	✓							✓		
3KUMQF	✓	✓						✓		



TABLE 2b - Examination Methods used for Item 2

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
3PRKHX		✓			✓			✓		
3Q3ZE7	✓							✓		
3QUMQN	✓	✓			✓			✓		
3V7K9J	✓							✓		
3WVXKA		✓						✓		Dispersive Raman Spectroscopy
3X8G6J	✓	✓						✓		
3YB4GD	✓	✓						✓		
3Z3H22		✓						✓		
3Z4N73	✓	✓						✓		
3ZNTMB	✓				✓			✓		
47C6LH	✓	✓			✓			✓		
498LAQ		✓						✓		
49BPZ3		✓						✓		
49XELN		✓	✓			✓	✓	✓		ELECTRONIC BALANCE
4CQHXG	✓							✓		
4CYHFW		✓			✓			✓		
4EE4HR	✓	✓					✓	✓		
4FQFF2	✓	✓				✓		✓		
4FV94W	✓							✓		
4FZL3C					✓			✓		
4HQMBL		✓				✓		✓		
4L39KY	✓				✓	✓		✓		
4L49JE	✓	✓						✓		Solubility, Ph
4LH2EB	✓							✓		
4LN4P2	✓							✓		
4LXH8J	✓	✓						✓		
4RP9QE	✓					✓		✓		
4TG4DM	✓	✓				✓		✓		
4WE3VL	✓	✓			✓			✓		
4XFERV					✓			✓		GC-FID
4YVN7F		✓						✓	✓	
638JYB		✓						✓		LC/MS
64VGAG	✓	✓						✓		
66FYTV	✓							✓		
69LJPV	✓							✓		
69ZE6P	✓	✓						✓		
6AR64V	✓	✓			✓	✓		✓		

TABLE 2b - Examination Methods used for Item 2

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
6AWBXC		✓						✓		
6BBJFD		✓			✓			✓		
6CPNPG	✓					✓		✓		
6D3CB2	✓	✓						✓		
6FJK4G								✓		Retention time comparison used for confirmation
6FPEZG		✓						✓		
6GCFMJ		✓	✓					✓		
6JHQAT	✓							✓		
6K97QA		✓				✓		✓		ELECTRONIC BALANCE
6LKWXT	✓							✓		
6N77RL	✓	✓						✓		
6NVCDY	✓							✓		
6Q8Z4Q	✓	✓						✓		
6QUPMR	✓	✓				✓		✓		
6U22YD	✓							✓		
6VMRTC	✓	✓						✓		
6X9NZ3	✓	✓						✓		
6YV2D9	✓							✓		
6Z6LQ4										GC/MS 2X
6ZCGWM	✓							✓		
76MWZJ	✓							✓		
76YABN	✓	✓						✓		
79R2TC			✓			✓	✓	✓		
7ATYYM	✓							✓		
7BFB6Y						✓		✓		
7DGLJN		✓						✓		
7GELVJ	✓	✓						✓		
7GNAL4		✓						✓		Dispersive Raman Spectroscopy
7J88WM	✓				✓			✓		FTIR-ATR Accessory
7JEEEB		✓						✓		Dispersive Raman Spectroscopy
7JF2ZV				✓				✓		
7KYU4D	✓							✓		
7KYYHM	✓	✓						✓		
7L97HU	✓	✓						✓		
7LMFEN	✓	✓						✓		
7NFEUZ	✓							✓		
7NYZNB	✓							✓	✓	Flame Test, Silver Nitrate

TABLE 2b - Examination Methods used for Item 2

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
7PEE9P					✓			✓		
7PULFG		✓						✓	✓	
7RYTWT								✓		GC-FID
7T7QRG	✓	✓						✓		
7TTFBH	✓	✓						✓		FID
7ULVJM	✓							✓		
7V9C3M	✓	✓								
7WRFBU	✓							✓		
7X38DJ	✓	✓			✓			✓		
7XMD2U		✓						✓		
7YFUXJ	✓	✓						✓		
7ZXN2P	✓	✓						✓		
82EM6M	✓	✓						✓		
82M3JU	✓					✓		✓		
83KR6G		✓				✓		✓		
83KWFJ						✓	✓	✓		
84788Q	✓	✓				✓		✓		
848EJE					✓			✓		
84993J	✓						✓	✓		
86FHZH		✓						✓		
86VYYH	✓				✓			✓		
89KHKU								✓		GC-FID
8GXLFZ	✓	✓						✓		
8H6MZT	✓							✓		
8L7KKT	✓	✓			✓			✓		
8M7NGZ		✓			✓			✓		
8MRV8R	✓	✓						✓		
8P3DAG								✓		
8QKNXV		✓						✓		
8QQFQH						✓	✓	✓		
8UQPXD		✓				✓	✓	✓		
8VBPDA	✓	✓						✓		
8VFCGN		✓						✓		
8XEGNV					✓			✓		
8XG2JB	✓	✓						✓		
8XKZZJ	✓	✓						✓		
8ZBPFB			✓			✓		✓		

TABLE 2b - Examination Methods used for Item 2

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
8ZLQPZ		✓						✓		
93KJYP		✓						✓		
93KNBD		✓						✓		Raman and Chloride Test (AgNO3)
96CD3L	✓							✓		
9CHDPF	✓	✓						✓		
9CJC3W		✓						✓		
9CZH6T						✓		✓		
9DVLUE		✓	✓			✓	✓	✓		ELECTRONIC BALANCE
9EKXC9	✓	✓						✓		
9F28LL					✓			✓		
9H3PMG		✓						✓		
9MGTFY	✓							✓		
9NDH2L	✓	✓						✓		
9NP2AR								✓	✓	
9NXEAF		✓				✓		✓		
9PQQ7L								✓		GC/IRD
9Q949J		✓						✓		
9QG2LU	✓				✓			✓		
9QJ8ZN	✓	✓				✓		✓		
9QLTZB	✓	✓			✓			✓		
9RZC3L	✓	✓						✓		
9TVPUF	✓	✓						✓	✓	inorganic analysis - Silver Nitrate
9VCCR8	✓	✓						✓		
9XQMCJ		✓						✓		
9ZZFKQ	✓	✓						✓		
A3CMMMA	✓							✓		
A3E3AH						✓	✓	✓		ELECTRONIC BALANCE
A42H2K		✓				✓				
A43TYU	✓					✓		✓		
A9RA2V	✓	✓						✓		
A9WDM6		✓						✓		
ACLBWH		✓						✓		Raman
ADLCX9	✓	✓						✓		
AEE2BA								✓		weight determination
AFEHXD	✓	✓						✓		
AKAUVF		✓	✓			✓		✓		
AMWZ6U	✓	✓						✓		

TABLE 2b - Examination Methods used for Item 2

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
AN7XMH		✓						✓		
AQAT6Y		✓						✓		
AWMR26		✓	✓			✓	✓	✓		
AWNMMW						✓	✓	✓		
AXLPET		✓						✓		
AZX3GU		✓						✓		
B2ZJUQ		✓						✓		
B69HH7	✓	✓				✓		✓		
B6YXGF		✓						✓		
B7UJ9L		✓						✓		
B86Q82	✓	✓						✓		
B8KBUJ					✓			✓		
B94JC8	✓				✓			✓		
B9WDXQ	✓	✓						✓		
BA33JL	✓	✓				✓		✓	✓	
BA6NE2	✓							✓		
BCFHH8		✓						✓		Dispersive Raman Spectroscopy
BDWKDL	✓				✓			✓		
BGEP7P										GC/MS X2
BGNVW8	✓	✓				✓		✓		
BJX96E	✓							✓		
BK8KE4		✓	✓			✓	✓	✓		
BK8M49			✓			✓	✓	✓		ELECTRONIC BALANCE
BKYL3G	✓						✓	✓		DART- TOF
BLZRM3	✓							✓		solubility testing
BMLBZE	✓	✓						✓		
BMNU9B	✓							✓		
BMW9WH	✓							✓		
BQ4D2R	✓	✓						✓	✓	
BQH32J		✓						✓		
BTL7M8	✓						✓	✓		
BUMCP9	✓				✓			✓		
BUZQFH	✓						✓	✓		
BZ9LMJ		✓						✓		
C2WJ8V				✓				✓	✓	
C3ETQ3	✓	✓						✓		
C3YA9Q						✓		✓		

TABLE 2b - Examination Methods used for Item 2

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
C4ART3	✓							✓		
C69UXX	✓							✓		
C88DGY		✓						✓		LC/MS and NMR
C99K8C	✓	✓						✓		
C9CT9Q					✓			✓		
CAXFQU	✓							✓		
CBV7VU	✓	✓						✓		
CF3BAU	✓							✓		
CFUMJA		✓				✓		✓		Balance
CGMR6L					✓			✓		
CGWZJN				✓				✓		CRYSTAL TEST WAS PLATINUM CHLORIDE 10%, NEGATIVE RESULT
CHUAYC	✓							✓		
CJTDTM	✓							✓		
CK34JW	✓							✓		
CKRDYE	✓							✓		
CQ7ET7	✓	✓						✓		
CQGVEB	✓	✓						✓		Retention time used for confirmation
CRUWLQ	✓	✓						✓		
CUJAFU	✓							✓		
CVEV7Z	✓				✓			✓		
CW3GBH					✓			✓		
CXB29C	✓							✓		
D34MDJ	✓							✓		
D4433B	✓	✓						✓		
D7T6YY	✓					✓		✓		
D9VYYN	✓	✓								
DA68TG								✓		LC/MS
DATM2K	✓							✓		
DBU349		✓						✓		
DC4MJR	✓							✓		
DCV886	✓	✓						✓		
DEAYN8		✓			✓			✓		
DECVWW		✓						✓		
DEJCDA	✓							✓		
DEKUJT		✓						✓		GC/IR
DFGQ7M	✓	✓				✓		✓		

TABLE 2b - Examination Methods used for Item 2

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
DJTRKD	✓							✓		
DPZQH6	✓	✓						✓		
DQH4CE	✓	✓			✓			✓		
DR4WPQ		✓				✓		✓		
DRDNZE	✓							✓		
DRH4EZ	✓	✓						✓		
DRX987	✓	✓						✓		
DUBC3N	✓	✓						✓		
DW6DMR	✓	✓						✓		
DW9EMD	✓							✓		
DXAMYN	✓							✓		
DXCXUE		✓						✓		Raman
DXPRQV		✓				✓		✓		
E23H86	✓	✓				✓		✓		
E3UAZ8		✓	✓			✓	✓	✓		
E3XR7J	✓				✓			✓		
E4TRAJ		✓				✓		✓		
E67PU9			✓			✓	✓	✓		ELECTRONIC BALANCE
E6GR33	✓							✓	✓	Flame Test, Silver Nitrate Test
E7CCU9		✓						✓		
E7T3YR	✓	✓						✓		
EATDWC	✓	✓			✓			✓		
EEBYD		✓	✓			✓	✓	✓		
EEFK3T	✓	✓						✓		
EFED4C		✓						✓		
EFZ9VA	✓	✓			✓			✓		
EG42AF		✓						✓		Dispersive Raman Spectroscopy
EJAQNA		✓				✓				
EMG6TA	✓	✓				✓		✓		
ENQEL7	✓	✓				✓		✓	✓	
ENTLQ3						✓		✓		
ENXV3Y						✓	✓	✓		ELECTRONIC BALANCE
EPDLGH		✓						✓		
EPZKJY		✓						✓		
ER3W9B		✓						✓		
ETBTDR		✓						✓		Electronic Balance
EU2AVB		✓				✓		✓		

TABLE 2b - Examination Methods used for Item 2

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
EUR7L								✓		
EV6L36	✓	✓						✓		
EVK6L3	✓							✓		
EWCW6E	✓						✓	✓		
EXFJH8	✓							✓		
EXT7X2	✓							✓		
EY7KJP		✓			✓			✓		
EYZMV8		✓						✓		
EZGL96		✓						✓		Dispersive Raman Spectroscopy
F2C7L2	✓					✓		✓		
F3J3XC	✓	✓						✓		
F6H3C3	✓							✓		
F6HZPJ	✓				✓			✓		
F8X4CA	✓	✓				✓		✓		
F92XD9	✓							✓		
FBDX84	✓							✓		
FBUDZB	✓	✓			✓			✓		weight of the substance
FK6DW8	✓							✓		
FKKY7A	✓	✓			✓			✓		
FKMHE7								✓		
FKTAMK	✓	✓				✓		✓		
FKTHZR		✓						✓		
FL8KR6	✓	✓						✓		
FMGKNL		✓						✓		
FNNNTC	✓	✓						✓		
FPHUB9	✓	✓				✓		✓		
FRN7D4	✓	✓						✓		
FRU2UA	✓				✓		✓	✓		GC-FTIR
FTAM2C	✓				✓			✓		
FU8ZHD		✓						✓		
FWPNUP		✓						✓		
FY49GE		✓						✓		
FZN3GE	✓								✓	
G26XV8	✓	✓				✓		✓		
G3378X					✓			✓		
G3K3RK	✓						✓	✓		Raman
G68WA7		✓			✓			✓		



TABLE 2b - Examination Methods used for Item 2

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
G6Q7EL	✓							✓		
G7UVBB	✓							✓		
GBVLQA	✓	✓						✓		
GCT9PE	✓	✓						✓		
GDL48F	✓				✓			✓		
GDVR82								✓		
GG9FBR		✓						✓		
GHE4NW	✓							✓		
GHMER2	✓							✓		
GHRCFR	✓							✓		
GKWZJV	✓				✓			✓		
GMN3JH	✓	✓				✓		✓		
GNB47J					✓			✓		
GPX9HH	✓							✓		
GQDL6U	✓						✓	✓		
GRABT3	✓							✓		
GT2G6M						✓		✓		
GUAQKE		✓			✓			✓		
GULNH4		✓						✓		
GUNC24	✓							✓		
GXC7DG		✓				✓		✓		
GXPRV7	✓	✓				✓		✓		
GZHKQP	✓				✓			✓		Retention time on GC/MS compared to standard run on same instrument
H3EQKK	✓							✓		Solubility
H4CUH3	✓	✓						✓		
H4QXLM	✓							✓		
H62T8F	✓							✓		
H6LMWW	✓				✓			✓		
H8BTE8	✓	✓				✓				
H9MQNH	✓	✓				✓		✓		
HBQGUX	✓							✓		
HCN92J		✓				✓				
HE6ZY9		✓						✓		
HEF6TX	✓	✓						✓		
HGE4LW		✓						✓		
HGGUWL		✓						✓		

TABLE 2b - Examination Methods used for Item 2

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
HHDNWW	✓							✓		
HJ9M7V		✓						✓		
HKDMLA	✓	✓						✓		
HL37G9	✓							✓		
HN2BJB	✓	✓						✓		
HNAZFM	✓							✓		
HP97WG		✓						✓		
HPFA36	✓							✓		
HQ3ZMX	✓	✓				✓		✓		
HQBPE2	✓	✓						✓		GC retention time used for confirmation
HTMZDD		✓						✓		
HUTFJ7	✓	✓			✓			✓		
HVQ3FP	✓	✓			✓			✓		
HXZUHB	✓							✓		
J3UHYN	✓	✓						✓		
J4CAAT	✓	✓						✓	✓	
J4LZNV	✓							✓		net weight
J4QGWG	✓							✓		
J4VRBY								✓		
J6DZU9	✓	✓		✓				✓		
J7N387		✓						✓		
J89ZCY	✓	✓						✓		
J8WGT8	✓				✓			✓		GC-FTIR
J8XCEY	✓				✓			✓		
J92XJ6	✓	✓				✓		✓		
JEFJXW		✓						✓		Dispersive Raman Spectroscopy
JF779R	✓							✓		
JHNDDU	✓				✓			✓		
JJ3EDF		✓				✓				
JL4YVF								✓		
JMH8DG	✓	✓				✓		✓		
JMJ6J7		✓				✓				
JMN3V9	✓					✓		✓		
JPWU29		✓	✓			✓		✓		
JQLEXY	✓							✓		
JQN8UL	✓	✓		✓				✓		
JRREL9		✓						✓		

TABLE 2b - Examination Methods used for Item 2

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
JWPNZL	✓	✓						✓		
JWZ3V4		✓						✓		Chloride test (for salt form determination only)
K2KMZ3		✓					✓	✓		
K2QQ29					✓			✓		
K37YGN		✓						✓		
K6QZ79	✓							✓		
KA2MRD	✓							✓		
KAWQ3V	✓	✓						✓		
KBJUTB		✓						✓		
KDETGF	✓							✓		
KDQEC4	✓	✓						✓		
KHR67L					✓			✓		
KJFRFD	✓	✓				✓		✓		
KLB6HV			✓			✓	✓	✓		
KLVFKH								✓		LC/MS/MS
KNW4GC	✓							✓		
KQEYRC	✓	✓				✓		✓		
KQGJMR	✓							✓		
KRAYWX	✓							✓		
KUXZ4C		✓				✓		✓		
KX6L8W		✓						✓		LC/MS
KXUWM7		✓				✓				
L2JFMU			✓			✓	✓	✓		ELECTRONIC BALANCE
L3MF4U		✓						✓		
L68GUB		✓						✓		
L68L8X	✓							✓		
L6V6QH	✓	✓						✓		
L8H8CR	✓				✓			✓		
L97TUG	✓	✓						✓		
L9LKJK		✓						✓		
LGBY3B	✓	✓				✓		✓		
LJBN6Y		✓			✓			✓		
LJE978			✓			✓		✓		ELECTRONIC BALANCE
LJE98R						✓	✓	✓		
LMCBWM		✓						✓		
LMHYJD	✓	✓		✓				✓		
LP79UZ								✓		GC Retention Time

TABLE 2b - Examination Methods used for Item 2

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
LPBTH4	✓	✓						✓		
LT77ZF	✓	✓						✓		
LUX7YC	✓	✓				✓		✓		
LWEBYN	✓							✓		
LX4ERV	✓	✓						✓		
LXDN9G								✓		GC/FID
LY3NUD	✓	✓						✓		
LYTZVT		✓						✓		
LZ6BQG	✓					✓	✓	✓		
LZTABA	✓								✓	
M3QBNC	✓							✓		FTIR ATR
M6WVDX								✓		
M7D7VX	✓							✓		
M7M2PG	✓					✓		✓		
M9CDM2								✓		GC/MS RT
MANDLC	✓					✓		✓		
MBBCF2	✓	✓				✓		✓		
MBR2E2		✓						✓		
MDUWX6		✓						✓		
ME34XY	✓	✓						✓		
MEA3Q2	✓	✓						✓		
MF8BYK	✓							✓		
MFKW89	✓	✓						✓		
MGXH4P		✓						✓		Dispersive Raman Spectroscopy
MHCXKC	✓	✓			✓			✓		
MJX8AW								✓		
MKNF9Z		✓	✓			✓	✓	✓		
MLWCEJ		✓				✓		✓		
MMC6CD	✓									FTIR x2; GC/MS x2
MQ7ZN9	✓					✓		✓		
MURTRP	✓				✓			✓		
MWKJEE					✓			✓		
MXPG6P	✓	✓			✓			✓		
MZM6ZD		✓				✓		✓		
MZT7G7		✓						✓		
N3E9VJ	✓							✓		
N4E99N	✓				✓			✓		

TABLE 2b - Examination Methods used for Item 2

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
N4LPUP		✓			✓			✓		
N83Y22		✓						✓		Dispersive Raman Spectroscopy
NAETXE	✓	✓						✓		
NBH622	✓							✓		
NBWJMP	✓	✓						✓		
NC3CV7	✓	✓						✓		
NE9RBN	✓				✓			✓		
NEU3AX	✓	✓			✓			✓	✓	
NJ2UC4		✓						✓		NMR
NJDXPU	✓						✓	✓		
NKDKC8	✓							✓		
NKGTVT					✓			✓		
NMZY33	✓				✓			✓		
NN7LAF	✓	✓						✓		
NNMTAC	✓	✓				✓		✓		
NNN7TK	✓						✓			GC/MS x2
NNVNCP	✓				✓			✓		
NPBR4W	✓							✓		
NQGCRW	✓							✓		
NRQ3KZ	✓							✓		
NT8JA8	✓	✓						✓		
NTMFWF	✓	✓						✓		
NTPMQK	✓	✓								
NVJBZJ								✓		GC Retention Time
NVZLJM	✓						✓	✓		
P293DE	✓							✓		
P2ZPJ7	✓							✓		GC/FID
P3UWT4		✓						✓	✓	
P77Z2T								✓		
PCNXN8	✓							✓		
PFVMF4		✓						✓		
PHC47A								✓		GC-FID
PM7ZTF	✓	✓						✓		
PNXF47		✓						✓		
PRM9LY		✓						✓		
PRMB8X		✓						✓		LC/MS
PT8ZMW	✓	✓						✓		

TABLE 2b - Examination Methods used for Item 2

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
PTU2AY		✓	✓			✓	✓	✓		ELECTRONIC BALANCE, HPLC
PTUYMF	✓	✓				✓		✓		
PUKQAZ	✓	✓				✓		✓		
PVBKPB	✓	✓			✓			✓		
PVP4A9	✓	✓			✓			✓		
PWQVQP	✓							✓		
PY4FV4					✓			✓		
Q33MZL	✓	✓				✓		✓		
Q4B38K					✓			✓		
Q6E7DP		✓						✓		
Q6GEJ9	✓							✓		
Q7QZXW	✓	✓			✓			✓		
Q9H738		✓				✓		✓		
QA3WD7	✓	✓						✓		
QBY44X	✓							✓		
QC33K7	✓	✓				✓		✓		
QCP8Z6	✓	✓						✓		
QDFDCN			✓			✓		✓		BALANCE
QFX3D8	✓					✓		✓		
QHHL4Q		✓			✓			✓		
QHN87E	✓	✓						✓		
QLC44Q	✓							✓		
QMXFFW	✓	✓						✓		
QQY3XL	✓				✓			✓		
QTVYV2	✓	✓						✓		
QVNFVN		✓				✓		✓		
QXBDOU		✓						✓		
QXZQVY	✓	✓						✓		
QYBH2U	✓	✓						✓		
QYWKUA		✓		✓	✓			✓		
R28EDM	✓							✓		
R4369M	✓	✓						✓		
R63JY8	✓							✓		
R64R9Z		✓						✓		Raman
RDU2DF		✓				✓		✓		
RFAMFC	✓							✓		
RGR2DR								✓		

TABLE 2b - Examination Methods used for Item 2

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
RGV8PZ						✓	✓	✓		
RHBVHZ		✓						✓		
RHE7N6	✓							✓		
RHX4Z6		✓						✓		
RLK2RM	✓	✓						✓		
RLUYEX		✓			✓			✓		
RMHCNQ								✓		
RNDDQE	✓					✓		✓		
RQCWAF	✓	✓			✓			✓		
RUXAVA	✓				✓	✓		✓		
RXVK33	✓					✓		✓		
RYAZG6						✓		✓		
RYK8D6	✓				✓			✓		
RYTHJV	✓							✓		
RYZ2N9				✓				✓		
T26YM9								✓		
T3FV47				✓				✓		
T3KHA6	✓				✓			✓		
T44CBT		✓						✓		Dispersive Raman Spectroscopy
T4TUMZ	✓	✓				✓		✓		
T7BMAH	✓	✓						✓		
T82EVF	✓				✓			✓		
T8W2WZ	✓	✓					✓	✓		
T8WKXM		✓						✓		
TABP87					✓			✓		
TAVKR7								✓		
TBFWYR	✓	✓			✓			✓		
TBL76W		✓				✓	✓	✓		
TC3UWW		✓						✓		
TE6F22		✓			✓			✓		
TEWGL8		✓			✓			✓		
THE6FX	✓							✓		
TLPTM3		✓						✓		
TMGFVC								✓		DART - Agilent TOF Mass Spectrometry
TNB6XK	✓	✓						✓		
TNEY6D	✓							✓		
TQ3FDZ		✓						✓		Raman

TABLE 2b - Examination Methods used for Item 2

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
TQGBAT								✓		
TR33ZB	✓						✓	✓		
TUCKJL			✓			✓	✓	✓		
TUKL2N	✓							✓		
TW9AAG		✓						✓		Dispersive Raman Spectroscopy
TWD482	✓				✓			✓		
TXMMT								✓		
TY2ZWA	✓	✓			✓			✓		
TZY8DR						✓	✓	✓		
U2DEC2	✓	✓						✓		
U43F4M	✓							✓		
U7C2X3		✓						✓		
U7ZCLW	✓	✓			✓	✓				
U8FQVR	✓							✓		GC/FID
U9CFGE	✓					✓	✓	✓		
UAZY22	✓	✓		✓						
UDADAY		✓						✓		
UENY2E	✓	✓						✓		
UEWA9Y	✓	✓				✓		✓		
UF2PVQ		✓						✓		
UFGNA9	✓	✓						✓		
UG4GT6		✓						✓		
UH8XDH		✓						✓		Dispersive Raman Spectroscopy
UHE2J7					✓			✓		
UHV38H		✓		✓				✓		NMR
UJMP9	✓							✓		
UKJ4EW	✓	✓			✓			✓		
UKUFQ2	✓	✓								
ULUUE2	✓					✓		✓		
UQ8BRG	✓							✓		
URQHBZ					✓			✓		
UUYGWU					✓			✓		GC/FID
UV8RQD	✓	✓						✓		
UWKFUP		✓						✓		
UZ4BY3					✓			✓		
UZBDV3	✓	✓						✓		
V2FAP7										GC/MS X2



TABLE 2b - Examination Methods used for Item 2

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
V3JZ6C		✓					✓	✓		
V6EYW6	✓							✓		
V8M3T2		✓						✓		
V9CEBU		✓						✓		Dispersive Raman Spectroscopy
VBVRFP	✓				✓			✓		
VBY2VU	✓				✓			✓		
VCHMRQ	✓							✓		
VEBM9L					✓			✓		
VEMUCA	✓	✓				✓		✓	✓	
VFNHZF	✓							✓		
VGQB6T	✓				✓			✓		
VHUYEX	✓							✓		GC Screen
VHVGAT	✓							✓		
VLTG9J		✓						✓		
VMYJNH	✓							✓		
VP77Q8	✓							✓		
VRX7ZP	✓	✓			✓			✓		
VRZHUT	✓	✓						✓		
VUXWTR	✓							✓		
VZ8792		✓						✓		
W2U6XJ		✓			✓			✓		
W43FUM	✓				✓			✓		
W4ALAM			✓			✓	✓	✓		
W4E6NY		✓						✓		
W78L9D	✓						✓	✓		
W7XVLA		✓						✓		
W84HLA	✓	✓								
W9TRDX		✓						✓		Raman
WB6NZF					✓			✓		
WCQQP3	✓	✓						✓		
WE8FQQ	✓							✓		
WEKWL	✓							✓	✓	Flame test, Silver Nitrate test
WFH6UD	✓							✓		
WG43U4	✓				✓			✓		
WHLGPX	✓	✓						✓		
WKVQFA		✓						✓		
WLCLR	✓							✓		

TABLE 2b - Examination Methods used for Item 2

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
WN9MB8	✓						✓	✓		
WND6KP		✓	✓			✓	✓	✓		
WNQ2A4	✓	✓				✓		✓		
WNQ2CP		✓						✓		
WPUPHE	✓	✓						✓		
WQ26KZ	✓	✓			✓			✓		
WTZ2TL	✓	✓						✓		
WUBYPQ		✓						✓		Dispersive Raman Spectroscopy
WUY6JQ	✓	✓						✓		
WXTBQ2	✓					✓		✓		
WY924X	✓	✓						✓		
WYWZLNQ	✓	✓						✓		
X3VGBP							✓	✓		BALANCE
X4WKNL					✓			✓		
X6YA89	✓	✓						✓		
X76UH4					✓			✓		
X8Y2Z2								✓		GC-FID
X9FTED	✓							✓		
X9TDEV	✓							✓		
X9X6QQ	✓	✓						✓		
XAD9YP	✓			✓				✓		
XBU7PU	✓				✓			✓		
XEL9XE	✓				✓			✓		
XH6MM3	✓	✓				✓		✓		
XHKLJH		✓						✓		LC/MS
XL4Z7L	✓	✓						✓		
XQJ3CW	✓			✓		✓			✓	
XUMA4A	✓	✓			✓			✓		
XUXJP8	✓					✓		✓		
XVETKU	✓						✓	✓		
XVZRBL	✓							✓		
XYUTT2	✓							✓		
XZJKQU	✓							✓		DART-TOF
XZZGVK	✓	✓						✓		
Y2JUJ3	✓	✓						✓		
Y3JA9U	✓	✓						✓		
Y3JVWY	✓	✓			✓			✓		

TABLE 2b - Examination Methods used for Item 2

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
Y4BU67	✓	✓						✓		
Y4RKZQ	✓	✓			✓			✓		
Y6NWTk		✓						✓		
Y6XRN4	✓	✓						✓		
YAPUUP	✓							✓		
YB7TA9	✓						✓	✓		
YB87WN		✓						✓		Dispersive Raman Spectroscopy
YBLA8L								✓		GC/MS with HFBA derivative
YCYDZK		✓						✓		
YDAB2V		✓						✓		
YFZPYY	✓					✓		✓		
YFZUA2		✓			✓			✓		
YGGBV3	✓	✓						✓		
YH9FFM		✓						✓		
YHXGLE	✓				✓			✓		
YJMYBT	✓				✓			✓		
YKTULB	✓				✓			✓		
YKXR3L		✓						✓		Dispersive Raman Spectroscopy
YL372R		✓	✓			✓		✓		ELECTRONIC BALANCE
YMFYFM	✓	✓					✓	✓		
YMYDTK	✓							✓		
YNHGXX		✓						✓		
YNHJMP	✓	✓						✓		
YPNNLX		✓				✓		✓		
YQUKYU	✓	✓						✓		
YR3KCA	✓							✓		
YRBH4K	✓							✓		
YRMNH4		✓						✓		
YT6KBG	✓	✓						✓		
YUFV2L						✓		✓		ELECTRONIC BALANCE
YWRY3C	✓							✓		Weight determination
YX373J								✓		
YYWMJM		✓						✓		
YZ24AH	✓							✓		
Z298CR	✓	✓						✓		
Z2ZTMY								✓		
Z3JRZ9	✓							✓		

TABLE 2b - Examination Methods used for Item 2

WebCode	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro	Other
Z4LJPP	✓				✓			✓		
Z6N3XL	✓	✓						✓		
Z6RCWJ	✓	✓			✓			✓		
Z6RHQC	✓							✓		
Z74GKL		✓	✓			✓		✓		
Z7CUGH		✓						✓		weight determination
Z9P7RU	✓						✓	✓		
ZD2U3V	✓				✓			✓		
ZKNYFB	✓	✓					✓	✓		
ZM8FRH	✓	✓						✓		
ZMEM7Q	✓	✓			✓			✓		
ZML7A2	✓						✓	✓		Solubility/AgNO3
ZNG94R	✓	✓						✓		
ZNYDZP	✓	✓				✓		✓		
ZPEBDR			✓			✓	✓	✓		
ZPPAXC	✓	✓				✓		✓		
ZQWRYU	✓	✓						✓		
ZT64EA	✓				✓			✓		
ZV6JY8						✓		✓		
ZVAENR		✓						✓		Raman
ZWAE4K	✓	✓			✓			✓		
ZYGQM8	✓							✓		

**Response Summary**

Participants	Color	FTIR	LC	Crystal	GC	UV	TLC	GC/MS	Micro
759	470	423	28	13	130	137	57	736	20
Percent	62%	56%	4%	2%	17%	18%	8%	97%	3%

## Additional Comments

TABLE 3

WebCode	Additional Comments
2RRDHC	Item 1 not quantitated - no method available
2VRR2V	Item 1: This laboratory does not have an authentic standard of testosterone, nor does this laboratory routinely analyze steroids/hormonal substances. The FT-IR and MS data used for comparison purposes was taken from SWGDRUG.
3B9BKU	Testosterone was indicated/detected during analysis but was not confirmed in Item 1. This laboratory does not identify potential controlled substances in this drug class.
3YB4GD	Additional peak present in Item 1, similar to testosterone, could not identify, possible "daughter" peak.
6D3CB2	Item 1a) Also found small peak of Androst-5-en-17.beta.-ol-3-one on MS. (high concentration of sample).
8P3DAG	The laboratory typically tests for controlled substances that may contribute to a cause of death or be associated with impairment associated with human performance testing. The laboratory does not test for salts or diluents.
9NP2AR	In item #1 the substance compared with library of the instruments resulting Testosterone. Do not certified the presence of controlled substance due the reference material is not available to confirm the result. [sic]
9PQQ7L	There was an additional testosterone related substance that may be present in #1 that could not be confirmed.
C2WJ8V	In the Item #1 compared with library of the instrument (GC/MS) result Testosterone. Do not certified the presence of controlled substance because the reference material is not available to confirms the result. [sic]
CHUAYC	Both Items #1 and #2 had an additional peak which appeared to be an impurity or breakdown product of the predominant drug in the sample.
DC4MJR	For Item 1-1: Possible "Androst-5-en-17.beta.-ol-3-one" found in Methanol diluted samples (in addition to Testosterone). Not reported due to lack of a certified standard.
E7T3YR	Item 1 had another steroid-related substance, however nothing was found in mass spec libraries to indicate exactly what it is.
ENQEL7	item 2: examined crystals microscopically for general morphology only.
EPZKJY	The NMR testing was not conducted since the instrument was out of order.
FZN3GE	Item 2 consisted of uniform sized and shaped crystalline substance that dissolved in water. Note: Presently, this laboratory does not have a complete validated program for instrumental detection and identification of controlled substances. The reportable results for both items with this laboratory's existing procedure would be as "Unidentified" due to GC/MS instrumentation not being validated. Since "Unidentified" is not an option to report for this test, "No controlled substance detected/identified" was chosen for both items.
H3EQKK	Item #1) possible Androst-5-en-17 beta-ol-3-one, not confirmed/not reported due to lack of Certified Standard.
J3UHYN	Additional peaks noted in sample 1: Dehydroisoandrosterone (best match) and 4 - Androstenedione (major ions).
JL4YVF	Item 1a. The operational procedure of our laboratory requires the confirmation of the detected

TABLE 3

WebCode	Additional Comments
	controlled substance with the analysis of the corresponding standard. We do not have the time to acquire it due to the short time to report the results.
L6V6QH	Schedule III (both)
LZTABA	Presently, this laboratory no longer has any validated instruments to further analyze these items. The results for both these items would be reported as "Unidentified" rather than "No controlled substance detected/identified".
M6WVDX	2 MS for each item. Retention time (R.T.) used as identification[sic]
RHX4Z6	Regarding Item 1: Our policy is to send all steroids to our [City] Laboratory. Thus, no chemical confirmation of Item #1 is available at this Laboratory. Schedule 3 testosterone is indicated, but not confirmed.
T26YM9	Net weight 1.1 0.1145 g; Net weight 1.2 0.0909 g
T3FV47	Item 1a: The operational procedures of our laboratory requires the confirmation of the detected controlled substance with the analysis of the corresponding standard. We do not have the time to acquire[sic] it due to the short time to report the results.
TAVKR7	*Testosterone and/or Testosterone Hemisuccinate is present. Both controlled substances have the same GC/MS data, and our Forensic Controlled Substance laboratory does not have any validated procedures to differentiate between Testosterone or Testosterone Hemisuccinate.
TE6F22	Purity: 54.4% ± 3.1%
V8M3T2	Testosterone in Item 1 was detected but not identified. The identification of steroids is preformed[sic] at the [City] Laboratory.
W2U6XJ	Weights are only reported when required by [State] Statutes.
X6YA89	Item 1 was found to contain Testosterone, a controlled substance. The net weight of item 1 was 0.18 gram. Item 2 was found to contain Ketamine, a controlled substance. The net weight of item 2 was 0.09 gram.
XQJ3CW	Our reportable results for both items with our existing procedure would be as "unidentified" due to GC/MS instrumentation not validated. Since "unidentified" is not an option to report for this test "No controlled substance detected/identified" was chosen for both items
Z3JRZ9	I used two GC/MS's with different columns.
ZML7A2	1A. - Androst-5-en-17.beta.-ol-3-one (possible anabolic steroid); not reported; no certified standard available. 2B. (+) AgNO3 (not reported).
ZQWRYU	Color tests are performed as a presumptive test. Because no color test indicated a controlled substance, each item was first run on the FTIR and then the unknown scheme was completed with the GCMS to satisfy our SOP/methods as well as SWGDRUG categories.

# Appendix: Data Sheet

Collaborative Testing Services ~ Forensic Testing Program

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## Test No. 15-501: Drug Analysis

DATA MUST BE RECEIVED BY April 13, 2015 TO BE INCLUDED IN THE REPORT

Participant Code:

WebCode:

### Accreditation Release Statement

CTS submits external proficiency test data directly to ASCLD/LAB and ANSI-ASQ NAB/FQS. Please select one of the following statements to ensure your data is handled appropriately.

- This participant's data is intended for submission to ASCLD/LAB and/or ANSI-ASQ NAB/FQS. (Accreditation Release section on the last page must be completed and submitted.)
- This participant's data is NOT intended for submission to ASCLD/LAB or ANSI-ASQ NAB/FQS.

### Online Data Entry

Visit [www.cts-portal.com](http://www.cts-portal.com) to enter your proficiency test results online. If you have any questions please do not hesitate to contact CTS.

**Scenario:**

An investigator has submitted two questioned substances for analysis recovered from a rented storage locker. Please examine these samples and determine if any controlled substances are present.

**Items Submitted (Sample Pack DA1):**

- 1: Powdered substance
- 2: Crystalline substance

**1a.) Were any controlled substances present in Item 1? If yes, list each substance.**

- No controlled substance detected/identified
- Controlled Substance(s) detected/identified (please list below). Indicate salt form if determined.

**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.)*

- |  |                                |                                      |
|--|--------------------------------|--------------------------------------|
| Color Tests <input type="checkbox"/>   | FTIR <input type="checkbox"/>  | LC <input type="checkbox"/>          |
| Crystal Tests <input type="checkbox"/> | GC <input type="checkbox"/>    | UV <input type="checkbox"/>          |
| TLC <input type="checkbox"/>           | GC/MS <input type="checkbox"/> | Microscopic <input type="checkbox"/> |

Other (specify): \_\_\_\_\_

**Please return all pages of this data sheet.**

Page 1 of 3

Participant Code:

WebCode:

**2a.) Were any controlled substances present in Item 2? If yes, list each substance.**

No controlled substance detected/identified

Controlled Substance(s) detected/identified (please list below). Indicate salt form if determined.

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**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.)*

Color Tests

FTIR

LC

Crystal Tests

GC

UV

TLC

GC/MS

Microscopic

Other (specify): \_\_\_\_\_

**3.) Additional Comments**

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<p><b>Return Instructions:</b> Data must be received via online data entry, fax (please include a cover sheet), or mail by <b>April 13, 2015</b> to be included in the report.</p> <p>QUESTIONS?  TEL: +1-571-434-1925 (8 am - 4:30 pm EST)  EMAIL: <a href="mailto:forensics@cts-interlab.com">forensics@cts-interlab.com</a>  <a href="http://www.ctsforensics.com">www.ctsforensics.com</a></p>	<p>Participant Code:</p>
	<p>ONLINE DATA ENTRY: <a href="http://www.cts-portal.com">www.cts-portal.com</a>  FAX: +1-571-434-1937  or Toll-Free: 1-866-FAX-2CTS (329-2287)  MAIL: Collaborative Testing Services, Inc.  P.O. Box 650820  Sterling, VA 20165-0820 USA</p>

**Please return all pages of this data sheet.**



## Collaborative Testing Services ~ Forensic Testing Program

**RELEASE OF DATA TO ACCREDITATION BODIES**

The following Accreditation Releases will apply only to:

Participant Code:

WebCode:

for Test No. **15-501: Drug Analysis**

This release page must be completed and received by **April 13, 2015** to have this participant's submitted data included in the reports forwarded to the respective Accreditation Bodies.

**ASCLD/LAB Release**

If your lab has been accredited by ASCLD/LAB and you are submitting this data as part of their external proficiency test requirements, have the laboratory's designated individual complete the following. *The information below must be completed in its entirety for the results to be submitted to ASCLD/LAB.*

ASCLD/LAB Legacy Certificate No. \_\_\_\_\_ ASCLD/LAB International Certificate No. \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

Laboratory Name \_\_\_\_\_

Location (City/State) \_\_\_\_\_

**ANSI-ASQ NAB/FQS Release**

If your laboratory maintains its accreditation through ANSI-ASQ NAB/FQS, please complete the following form in its entirety to have your results forwarded.

ANSI-ASQ NAB/FQS Certificate No. \_\_\_\_\_

Signature and Title \_\_\_\_\_ Date \_\_\_\_\_

Laboratory Name \_\_\_\_\_

Location (City/State) \_\_\_\_\_

**Return Instructions****Accreditation Release**

*Please submit the completed Accreditation Release at the same time as your full data sheet. See Data Sheet Return Instructions on the previous page.*

*Questions? Contact us 8 am-4:30 pm EST  
Telephone: +1-571-434-1925  
email: forensics@cts-interlab.com*

**Please return all pages of this data sheet.**

Page 3 of 3