



Certificate of Analysis

LC/MS Toxicology Test Mixture

Page 1 of 2

Agilent Part
Number:

5190-0470

Sample Lot
Number:

CH-0777

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The certified value and uncertainty value for each analyte was determined gravimetrically.

Analyte	CAS#	Analyte Lot	True Value
d-amphetamine sulfate salt (as d-amphetamine)	000051-63-8	068K1069	1.00 ± 0.01 µg/mL
a,a-dimethylphenethylamine	000122-09-8	RM00820	1.00 ± 0.01 µg/mL
(+)-methamphetamine hydrochloride (as (+)-methamphetamine)	000051-57-0	098K0693	1.00 ± 0.01 µg/mL
(±)-3,4-methylenedioxyamphetamine hydrochloride (as MDA)	013673-99-9	118K4010	1.00 ± 0.01 µg/mL
(±)-3,4-methylenedioxymethamphetamine hydrochloride (as MDMA)	092279-84-0	108K4075	1.00 ± 0.01 µg/mL
(±)-3,4-methylenedioxy-N-ethyl-amphetamine hydrochloride (as MDEA)	116261-63-3	117K4113	1.00 ± 0.01 µg/mL
meperidine hydrochloride (as meperidine)	000050-13-5	045K1745	1.00 ± 0.01 µg/mL
phencyclidine hydrochloride (as phencyclidine)	000956-90-1	039K4009	1.00 ± 0.01 µg/mL
(±)-methadone hydrochloride (as methadone)	001095-90-5	028K1166	1.00 ± 0.01 µg/mL
cocaine HCl (as cocaine)	000053-21-4	086K1427	1.00 ± 0.01 µg/mL
proadifen hydrochloride (as proadifen)	000062-68-0	128K0965	1.00 ± 0.01 µg/mL
oxazepam	000604-75-1	029K4073	1.00 ± 0.01 µg/mL
codeine	000076-57-3	068K1916	1.00 ± 0.01 µg/mL
(±)-lorazepam	000846-49-1	035F0115	1.00 ± 0.01 µg/mL
diazepam	000439-14-5	105F0451	1.00 ± 0.01 µg/mL

ULTRA Scientific uses calibrated Class A glassware and clean bottles in the manufacture of ULTRA standards. Balances used in the manufacture of this standard are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001.

William J. Leary
Quality Assurance Manager



Certificate of Analysis

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Page 2 of 2

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Analyte	CAS#	Analyte Lot	True Value
hydrocodone (+)-bitartrate salt (as hydrocodone)	000143-71-5	047F0128	1.00 ± 0.01 µg/mL
THC	001972-08-3	FE062308-01	1.00 ± 0.01 µg/mL
oxycodone hydrochloride (as oxycodone)	000124-90-3	FE062707-01	1.00 ± 0.01 µg/mL
temazepam	000846-50-4	056F0687	1.00 ± 0.01 µg/mL
heroin	000561-27-3	019K4605	1.00 ± 0.01 µg/mL
nitrazepam	000146-22-5	027F0248	1.00 ± 0.01 µg/mL
clonazepam	001622-61-3	087K1167	1.00 ± 0.01 µg/mL
alprazolam	028981-97-7	098K4086	1.00 ± 0.01 µg/mL
verapamil	000152-11-4	062K0325	1.00 ± 0.01 µg/mL
strychnine	000057-24-9	048K1660	1.00 ± 0.01 µg/mL
trazodone hydrochloride (as trazodone)	025332-39-2	058K1519	1.00 ± 0.01 µg/mL

Solvent: methanol

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Date of release: 18 March 2011**Date of expiration:** 30 April 2012
William J. Leary
Quality Assurance Manager