



Certificate of Analysis

LC/MS Toxicology Test Mixture

**Agilent Part
Number:** 5190-0470

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**Sample Lot
Number:** CM-4230

This analytical reference material was manufactured and verified in accordance with an ISO 9001 registered quality system, and the analyte concentrations were verified by an ISO 17025 accredited laboratory. The certified value for each analyte was determined gravimetrically.

Analyte	CAS#	Analyte Lot	Certified Value
d-amphetamine sulfate salt (as d-amphetamine)	000051-63-8	RM05732	1.00 ± 0.01 µg/mL
a,a-dimethylphenethylamine	000122-09-8	RM08201	1.00 ± 0.01 µg/mL
(+)-methamphetamine hydrochloride (as (+)-methamphetamine)	000051-57-0	RM05735	1.00 ± 0.01 µg/mL
(±)-3,4-methylenedioxyamphetamine hydrochloride (as MDA)	013673-99-9	RM06136	1.00 ± 0.01 µg/mL
(±)-3,4-methylenedioxymethamphetamine hydrochloride (as MDMA)	092279-84-0	RM06679	1.00 ± 0.01 µg/mL
(±)-3,4-methylenedioxy-N-ethyl-amphetamine hydrochloride (as MDEA)	116261-63-3	RM09636	1.00 ± 0.01 µg/mL
meperidine hydrochloride (as meperidine)	000050-13-5	RM09633	1.00 ± 0.01 µg/mL
phencyclidine hydrochloride (as phencyclidine)	000956-90-1	RM05733	1.00 ± 0.01 µg/mL
(±)-methadone hydrochloride (as methadone)	001095-90-5	RM06476	1.00 ± 0.01 µg/mL
cocaine hydrochloride (as cocaine)	000053-21-4	RM06677	1.00 ± 0.01 µg/mL
proadifen hydrochloride (as proadifen)	000062-68-0	RM05750	1.00 ± 0.01 µg/mL
oxazepam	000604-75-1	RM05843	1.00 ± 0.01 µg/mL
codeine	000076-57-3	RM09632	1.00 ± 0.01 µg/mL
(±)-lorazepam	000846-49-1	RM05857	1.00 ± 0.01 µg/mL
diazepam	000439-14-5	RM05724	1.00 ± 0.01 µg/mL
hydrocodone (+)-bitartrate salt (as hydrocodone)	000143-71-5	RM06134	1.00 ± 0.01 µg/mL
THC	001972-08-3	RM09037	1.00 ± 0.01 µg/mL
oxycodone hydrochloride (as oxycodone)	000124-90-3	RM06142	1.00 ± 0.01 µg/mL
temazepam	000846-50-4	RM05758	1.00 ± 0.01 µg/mL
diacetylmorphine hydrochloride monohydrate (as heroin)	005893-91-4	RM05076	1.00 ± 0.01 µg/mL
nitrazepam	000146-22-5	RM05757	1.00 ± 0.01 µg/mL

William J. Lead
Quality Assurance Manager



Certificate of Analysis

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Analyte	CAS#	Analyte Lot	Certified Value	
clonazepam	001622-61-3	RM05845	1.00 ± 0.01 µg/mL	
alprazolam	028981-97-7	RM05848	1.00 ± 0.01 µg/mL	
verapamil hydrochloride (as verapamil)	000152-11-4	RM00498	1.00 ± 0.01 µg/mL	
strychnine	000057-24-9	RM02523	1.00 ± 0.01 µg/mL	
trazodone hydrochloride (as trazodone)	025332-39-2	RM02634	1.00 ± 0.01 µg/mL	

Solvent: methanol

Calibrated Class A glassware and clean bottles were used in the manufacture of this standard. 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.

Date of release: 13 August 2015

Date of expiration: 30 September 2016



William J. Leaf
Quality Assurance Manager