



## Certificate of Analysis

### Forensic Toxicology Comprehensive Mix – Submix 2

**Agilent Part Number:** 5190-0558

**Sample Lot Number:** CP-3155

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
Phencyclidine hydrochloride (as Phencyclidine)	000956-90-1 (000077-10-1)	RM05733	100.4 ± 0.5 µg/mL
d-Amphetamine sulfate salt (as d-Amphetamine)	000051-63-8 (000300-62-9)	RM05732	99.8 ± 0.5 µg/mL
(+)-Methamphetamine hydrochloride (as (+)-Methamphetamine)	000051-57-0 (000537-46-2)	RM05735	100.3 ± 0.5 µg/mL
(±)-3,4-MDMA hydrochloride (as (±)-3,4-MDMA)	092279-84-0 (042542-10-9)	RM06679	99.8 ± 0.5 µg/mL
(±)-3,4-MDA hydrochloride (as (±)-3,4-MDA)	013673-99-9 (004764-17-4)	RM06136	100.1 ± 0.5 µg/mL
(±)-3,4-MDEA hydrochloride (as (±)-3,4-MDEA)	116261-63-3 (082801-81-8)	RM09636	100.3 ± 0.5 µg/mL
Methylphenidate hydrochloride (as Methylphenidate)	000298-59-9 (000113-45-1)	RM06414	100.3 ± 0.5 µg/mL
Ritalinic acid	019395-41-6	RM05779	100.3 ± 0.5 µg/mL
alpha,alpha-Dimethylphenethylamine	000122-09-8	RM10961	99.8 ± 0.5 µg/mL
Cocaine free base	000050-36-2	RM06418	100.2 ± 0.5 µg/mL
Benzoylcegonine	000519-09-5	RM11207	100.4 ± 0.5 µg/mL
Cocaethylene	000529-38-4	RM06461	100.2 ± 0.5 µg/mL
Carisoprodol	000078-44-4	RM01935	100.4 ± 0.5 µg/mL
Nicotine	000054-11-5	RM02812	100.2 ± 0.5 µg/mL
(-)-Cotinine	000486-56-6	RM05830	100.2 ± 0.5 µg/mL
Dextromethorphan hydrobromide (as Dextromethorphan)	006700-34-1 (000125-71-3)	RM05822	100.0 ± 0.5 µg/mL
Caffeine	000058-08-2	RM06719	100.4 ± 0.5 µg/mL
Lidocaine	000137-58-6	RM05182	100.0 ± 0.5 µg/mL
Atropine	000051-55-8	RM05807	100.0 ± 0.5 µg/mL

**Solvent:** acetonitrile / water (9:1)

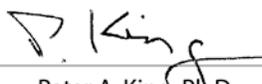
Calibrated Class A glassware and clean bottles were used in the manufacture of this standard. Balances used in the manufacture of this standard are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001.

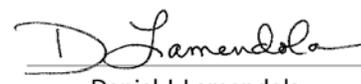
**Storage:** Store at Room Temperature (18-25°C), Do Not Refrigerate

**Date of release:** 30 June 2016

**Date of expiration:** 31 July 2017

**FOR FORENSIC USE**

  
Peter A. King, Ph.D.  
VP, Technical Operations

  
Daniel J. Lamendola  
Director of QA/RA