



Certificate of Analysis

Forensic Toxicology Comprehensive Mix – Submix 2

Agilent Part Number: 5190-0558

Sample Lot Number: CR-4015

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	100.2 ± 0.5 µg/mL
d-Amphetamine sulfate salt (as d-Amphetamine)	000051-63-8 (000300-62-9)	RM05732	100.3 ± 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	99.9 ± 0.5 µg/mL
(±)-3,4-MDA hydrochloride (as (±)-3,4-MDA)	013673-99-9 (004764-17-4)	RM12467	100.3 ± 0.5 µg/mL
(±)-3,4-MDEA hydrochloride (as (±)-3,4-MDEA)	116261-63-3 (082801-81-8)	RM12405	100.1 ± 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	100.0 ± 0.5 µg/mL
benzoylcegonine	000519-09-5	RM11207	100.2 ± 0.5 µg/mL
cocaethylene	000529-38-4	RM06461	100.4 ± 0.5 µg/mL
carisoprodol	000078-44-4	RM01935	100.2 ± 0.5 µg/mL
nicotine	000054-11-5	RM12056	100.4 ± 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	100.4 ± 0.5 µg/mL
caffeine	000058-08-2	RM04322	100.3 ± 0.5 µg/mL
lidocaine	000137-58-6	RM05182	100.2 ± 0.5 µg/mL
atropine	000051-55-8	RM05807	100.0 ± 0.5 µg/mL

Solvent: acetonitrile / water (9:1)

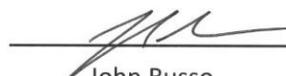
Calibrated Class A glassware and clean bottles were used in the manufacture of this standard. Balances used in the manufacture of this standard are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001.

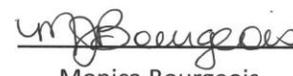
Storage: Store at Room Temperature (18-25°C), Do Not Refrigerate

Date of release: 31 August 2017

Date of expiration: 30 September 2018

FOR FORENSIC USE


John Russo
President


Monica Bourgeois
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