



Certificate of Analysis

Forensic Toxicology Comprehensive Mix – Submix 3

**Agilent Part
Number:** 5190-0559

**Sample Lot
Number:** CM-3244

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
Alprazolam	028981-97-7	RM05848	100.3 ± 0.5 µg/mL
Bromazepam	001812-30-2	RM05851	100.0 ± 0.5 µg/mL
Chlordiazepoxide hydrochloride (as Chlordiazepoxide)	000438-41-5 (000058-25-3)	RM05801	100.3 ± 0.5 µg/mL
Clonazepam	001622-61-3	RM05845	100.2 ± 0.5 µg/mL
Diazepam	000439-14-5	RM05724	100.0 ± 0.5 µg/mL
Flurazepam dihydrochloride (as Flurazepam)	001172-18-5 (017617-23-1)	RM01564	100.3 ± 0.5 µg/mL
(±)-Lorazepam	000846-49-1	RM05857	100.2 ± 0.5 µg/mL
Nitrazepam	000146-22-5	RM05757	100.4 ± 0.5 µg/mL
Oxazepam	000604-75-1	RM09573	100.3 ± 0.5 µg/mL
Phenazepam	051753-57-2	RM06116	100.1 ± 0.5 µg/mL
Prazepam	002955-38-6	RM05842	100.4 ± 0.5 µg/mL
Temazepam	000846-50-4	RM05758	100.0 ± 0.5 µg/mL
Triazolam	028911-01-5	RM01563	100.3 ± 0.5 µg/mL
7-Aminoclonazepam	004959-17-5	RM06103	100.3 ± 0.5 µg/mL
7-Aminoflunitrazepam	034084-50-9	RM05802	100.4 ± 0.5 µg/mL
alpha-Hydroxyalprazolam	037115-43-8	RM05818	100.2 ± 0.5 µg/mL
alpha-Hydroxymidazolam	059468-90-5	RM05806	100.4 ± 0.5 µg/mL
alpha-Hydroxytriazolam	037115-45-0	RM05820	100.0 ± 0.5 µg/mL
Nordiazepam	001088-11-5	RM05850	100.0 ± 0.5 µg/mL
Clobazam (Urbadan)	022316-47-8	RM05841	100.4 ± 0.5 µg/mL
Clorazepate dipotassium (as Clorazepate)	057109-90-7 (023887-31-2)	RM05797	100.3 ± 0.5 µg/mL
Flumazenil	078755-81-4	RM05805	100.0 ± 0.5 µg/mL
Medazepam	002898-12-6	RM05798	100.0 ± 0.5 µg/mL
Zolpidem	082626-48-0	RM05847	100.4 ± 0.5 µg/mL
Zopiclone	043200-80-2	RM05846	99.9 ± 0.5 µg/mL
Desalkylflurazepam	002886-65-9	RM05808	99.9 ± 0.5 µg/mL
Diphenhydramine	000058-73-1	RM05780	99.9 ± 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 <4°C, Do Not Freeze

Date of release: 15 June 2015

Date of expiration: 31 July 2016


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