



Certificate of Analysis

D4-Clozapine 100 µg/mL Standard for AACE LC/MS

**Agilent Part
Number:** 5190-0567

**Sample Lot
Number:** CJ-2956

This Certified Reference Material (CRM) 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 and uncertainty value for the analyte was determined gravimetrically.

Analyte	CAS#	Analyte Lot	Certified Value
Clozapine-d4	204395-52-8	RM05698	99.9 ± 0.5 µg/mL

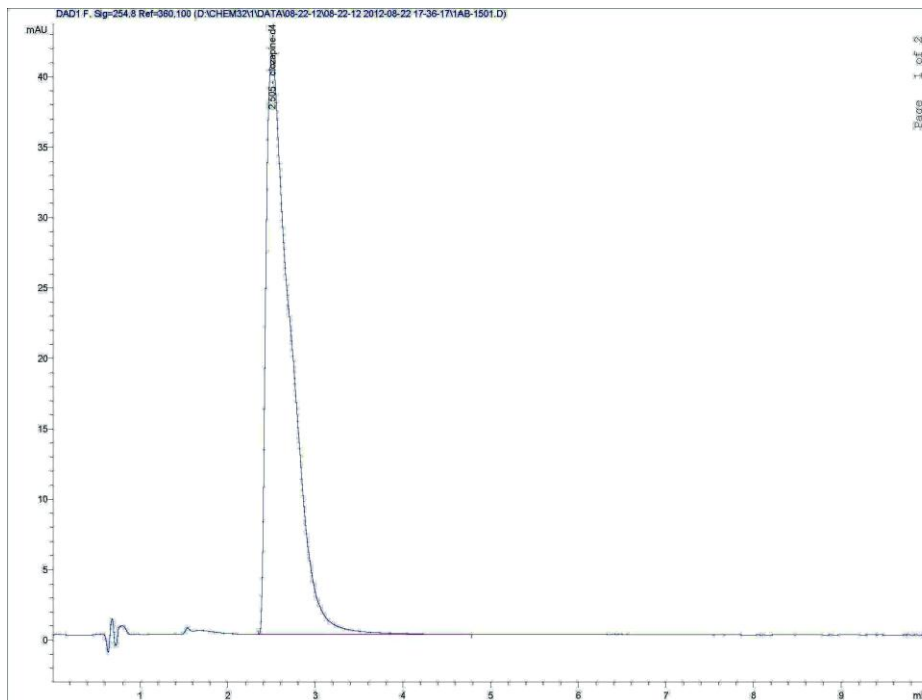
Solvent: methanol

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/NCCL Z-540-1 and ISO 9001.

Date of release: 24 August 2012

Date of expiration: 31 August 2014

Typical HPLC Chromatogram



Instrument Conditions

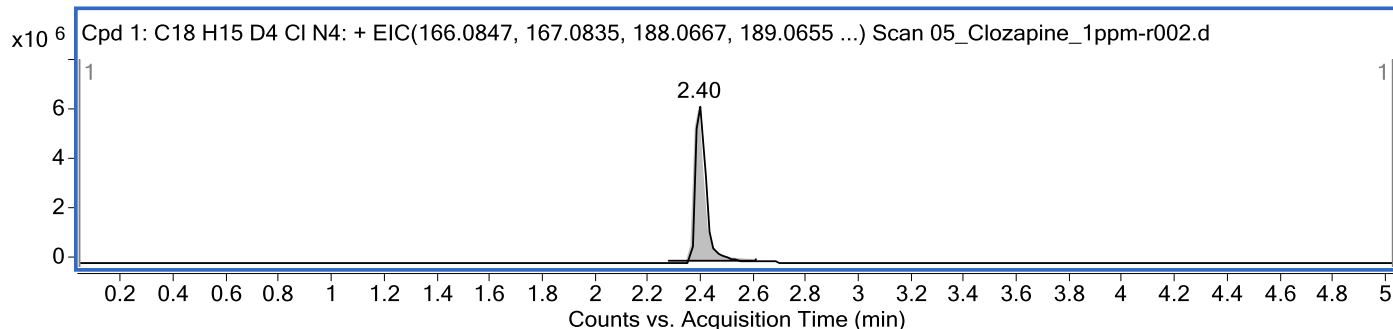
Column	Agilent Zorbax SB-C18, 150 x 4.6 mm, 5 µm
MobilePhase	ACN : 1 mM ammonium acetate buffer (85:15)
Flow Rate	2 mL / min
Wavelength	254 nm



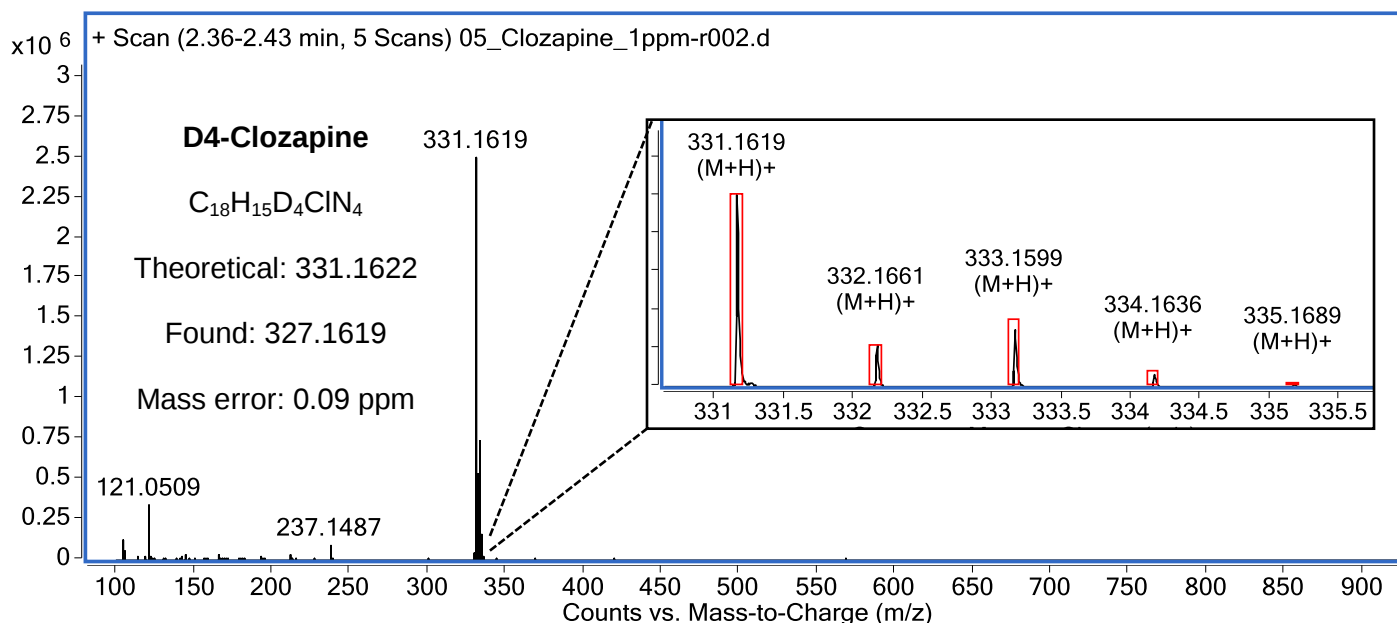
Agilent Technologies

Typical LC/MS Chromatogram

Extracted Ion Chromatogram (EIC)



MS Spectrum



Instrument and Source Conditions

Instrument mode	2 GHz, Extended Dynamic Range. m/z 1700
Ion mode	Positive
Gas temperature	300 °C
Driving gas flow	8 L/min
Nebulizer gas	45 psi
Sheath gas temperature	350°C
Sheath gas flow	11 L/min
Capillary voltage	3250 V
Nozzle voltage	0 V
Fragmentor	150
Acquisition mode	MS
Mass range	m/z 50 - 1000
Acquisition rate	1 spectra/sec


William J. Leahy
Quality Assurance Manager