MAYO CLINIC LABORATORIES

1-800-533-1710

FKRAL

Expanded Kratom Alkaloids, Urine

Patient ID	Patient Name		Birth Date	Sex	Age
SA00181528	SAMPLE REPORT, FKRAL A		1987-09-19	M	39
Order Number	**Client Order Number**	**Ordering Physician**	**Report Notes**		
SA00181528	SA00181528	CLIENT,CLIENT			
Account Information		**Collected**			
C7028846 DLMP Rochester		30 Sep 2026 00:00			

Expanded Kratom Alkaloids, Urine

Mitragynine

Y082

200 ng/mL

Reporting Limit: 1.0 ng/mL
Synonym(s): Kratom
Mitragynine is an alkaloid found in the plant Kratom which originates from Asia. The leaves of plant are consumed for their stimulant and analgesic effects and these effects are attributed to mitragynine. Plant extracts are sold for their medicinal use and may be subject to abuse. Some Kratom materials have also been reported to contain O-desmethyltramadol presumably from exogenous sources.
Analysis by Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)

7-Hydroxy Mitragynine

Y082

300 ng/mL

Reporting Limit: 1.0 ng/mL
Synonym(s): 7-OH Mitragynine; 7-OH
Comment:
Substance(s) known to interfere with the identity and/or quantity of the reported result: 7-Hydroxy Speciogynine
Plant alkaloid from Mitragyna speciosa (Kratom) and metabolite of mitragynine; may be synthetically enhanced in commercial Kratom products
Analysis by Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)

Mitragynine Pseudoindoxyl

Y082

400 ng/mL

Reporting Limit: 1.0 ng/mL
Metabolite of the plant alkaloid, mitragynine, from Mitragyna speciosa (Kratom); may be synthetically enhanced in commercial Kratom products
Analysis by Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)
Sample Receipt condition inappropriate for test code: [Not frozen as required]
This test was developed and its performance characteristics determined by NMS Labs. It has not been cleared or approved by the US Food and Drug Administration.
Digital data review may have taken place remotely by qualified NMS staff utilizing a secure VPN connection for some or all of the reported results. This is in accordance with and follows CLIA regulations.

Received: 01 Oct 2026 08:59 **Reported:** 01 Oct 2026 15:11

Test Environment
LTCSEQ Test Data

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
Y082	NMS Labs	200 Welsh Road, Horsham, PA 190442208		