NN Analytics
10064 Mesa Ridge Ct. #208
San Diego, CA 92121
www.NNAnalytics.com
Info@NNAnalytics.com
(858) 215-1844

CERTIFICATE OF ANALYSIS

Sample(s) Receipt Date(s):	7/6/2026	**Batch(s):**	B260706-5
Received by:	LC	**Sample ID #:**	2607-097
Customer Name/ID:	Hydroxie	**Date of Analysis/Testing:**	7/6/2026
Product/ Sample Name	Mitragynine	**Lot #**	26061







Final Disposition	N/A	**Method Group**	**Method ID**	**Date**	**Unit Weight (g)**	**Analyte**	**Concentration (mg/Unit)**	**Concentration (mg/g)**	**Disposition**
		Kratom Alkaloids	WKI-03-0107 HPLC/DAD	7/6/2026	0.5551	Mitragynine	100	180	N/A
		Kratom Alkaloids	WKI-03-0119 GC/MS			7OH-Mitragynine	N/A		

Method Group	**Analyte / Property**	**LOD (mg/g)**	**LOQ (mg/g)**	**Results (%)**	**Results (mg/g)**	**Results (mg/Unit)**	**Results (PPM/Unit)**	**Acceptance Criteria**	**Disposition**
Kratom Alkaloids	Mitragynine	0.3333	0.6467	16.34%	163.40	90.70	N/A		
	Mitragynine Pseudoindoxyl	0.1422	0.6000	<LOQ	N/A	N/A			
	7OH-Mitragynine	0.3333	0.6467	<LOQ	0.44	0.24	244	1,000 ppm	PASS
	Paynantheine	0.1889	0.8867	<LOQ	N/A	N/A			
	Speciogynine	0.3333	0.6467	1.36%	13.61	7.55	N/A		
	Speciociliatine	0.3333	0.6467	0.78%	7.77	4.31			
	Mitraphylline	0.3333	0.6467	ND	N/A	N/A			
	MGM-15*	0.1756	0.7000	ND	N/A				
	Total Alkaloids			**18.48%**	**185.22**	**102.81**	**N/A**		

Method Group	**Analyte / Property**	**LOD (mg/mL)**	**LOQ (mg/mL)**	**Results (mg/mL)**	**Results (mg/Unit)**	**Acceptance Criteria**	**Disposition**
Kratom Alkaloids via GC/MS	7OH-Mitragynine**	0.0010	0.0010	Detected	N/A	N/A	
	Mitragynine Pseudoindoxyl**	0.0010	0.0010	ND	N/A	N/A	
	MGM-15**	0.0008	0.0008	ND	N/A	N/A	
	MGM-16**	0.0008	0.0008	ND	N/A	N/A	
	7-acetoxymitragynine**	0.0008	0.0008	ND	N/A	N/A	
	9-hydroxycorynantheidine**	0.0008	0.0008	ND	N/A	N/A	
	10-hydroxycorynantheidine**	0.0008	0.0008	ND	N/A	N/A	

NOTES: <LOQ = Below limit of Quantitation / ND = Not Detected (Below limit of Detection (<LOD)) / 1µg/mL = 1ppm / 1000µg/mL = 1mg/mL / 1% = 10mg/g

Nicole Ramos
Digitally signed by Nicole Ramos
Date: 2026.07.22 16:23:22 -07'00'

Performed by/Date:

Jake Rubenstein
Digitally signed by Jake Rubenstein
Date: 2026.07.22 16:21:56 -07'00'

Checked by/Date:

Notes: This certificate of analysis only reflects data for the samples indicated on this form, as received by NNA in a good condition. Rev1 updated the full GC/MS WKI-03-0119 profile per customer request. Rev2 updates the accceptance criteria for 7OH-Mitragynine, which changes the disposition to "PASS". Rev3 updated the LOD & LOQ values for WKI-03-0119 per customer request. This report contains all parts of the complete report.

*Dihydro-7-hydroxy Mitragynine (MGM-15) reported on this CoA has had its method validated by NN Analytics, but not by ANAB, and is therefore not an ISO17025 accredited work item. All other analytes are included on NN Analytics' ISO17025 scope, and are accredited work items.

**Dihydro-7-hydroxy Mitragynine (MGM-15) and other GC/MS work items via WKI-03-0119 reported on this CoA has had its method validated by NN Analytics, but not by ANAB, and is therefore not an ISO17025 accredited work item. All other analytes are included on NN Analytics' ISO17025 scope, and are accredited work items.