



Nomor Dokumen	: FORM7.8V02
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Certificate of Analysis

Report Number : 002/TRL-BRI/IV/2026
COC ID : -
Quotation ID : -
Number of Pages : 6 Including Cover
Customer Sample(s) Identity : -
Lab Sample ID : BRI-TRL0426-0002
Priority : Normal / ~~Urgent~~
Date of Sample(s) Received : 09th April 2026
Date of Analysis Finished : 15th April 2026
Customer : PT. Phyto Labs Indonesia
Customer Category : Company / ~~Government Institution~~ / ~~School~~ / ~~University~~
~~Private Individual~~ / ~~Others~~
Customer Contact Person : (872) 529-3598

Approved by,

BIOTEK REKAYASA INDONESIA
Firmansyah Karim
Director

Wednesday, 15th April 2026

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• (1) is sign for subcontracted test parameter; • (2) is sign for non accredited test parameter or test parameter become unaccredited due to different sample matrix; • (3) is sign for parameter related to sample(s) taken not in accordance with the stated method as described in point d; (4) is sign for in situ test parameter; • NA mean Not Available or Not Applicable



Certificate of Analysis

I Sample Description

- 1.1 Subject : E. Kratom 25ppm
1.2 Batch Number :
1.3 Expired Date : -
1.4 Customer Sample(s) Identity : -
1.5 Lab Sample ID : BRI-TRL0426-0002
1.6 Matrix : Powder

II Results

No.	Parameters	Units	Results	Method
1.	Mitragynine	%	85,41	BRI-IK-LAB-006V01 (UHPLC)
2.	7-Hydroxymitragynine	%	<1,88	AOAC 2017.14
3.	Paynantheine	%	<0,94	AOAC 2017.14
4.	Speciogynine	%	<0,94	AOAC 2017.14
5.	Isorhynchophylline	%	<4,69	AOAC 2017.14
6.	Mitraphylline	%	<4,69	AOAC 2017.14
7.	Speciociliatine	%	<0,94	AOAC 2017.14
8.	As - Arsen <i>LOD : 0,0948</i> <i>LOQ : 0,1000</i>	mg/kg	0,24	BRI-IK-LAB-007V01 (ICP-OES)
9.	Cd - Cadmium <i>LOD : 0,0133</i> <i>LOQ : 0,1000</i>	mg/kg	<0,10	BRI-IK-LAB-010V01 (ICP-OES)
10.	Pb - Timbal <i>LOD : 0,0467</i> <i>LOQ : 0,1000</i>	mg/kg	0,76	BRI-IK-LAB-008V01 (ICP-OES)
11.	Hg - Merkuri <i>LOD : 0,0244</i> <i>LOQ : 0,1000</i>	mg/kg	0,17	BRI-IK-LAB-009V01 (ICP-OES)
12.	Aerobic Plate Count	CFU/g	<10	AOAC 2015.13



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Office/Laboratory—Gedung Indonesian Life Science Center, Zona Bisnis Teknologi Kawasan Puspiptek, Kec. Gn. Sindur, Kabupaten Bogor, Jawa Barat 16340

No.	Parameters	Units	Results	Method
13.	Total Coliform Bacteria	CFU/g	<10	AOAC OM 2018.13
14.	Escherichia coli	CFU/g	<10	AOAC 2018.13
15.	Salmonella spp	CFU/1g	Absent	AOAC PTM 092101

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Director

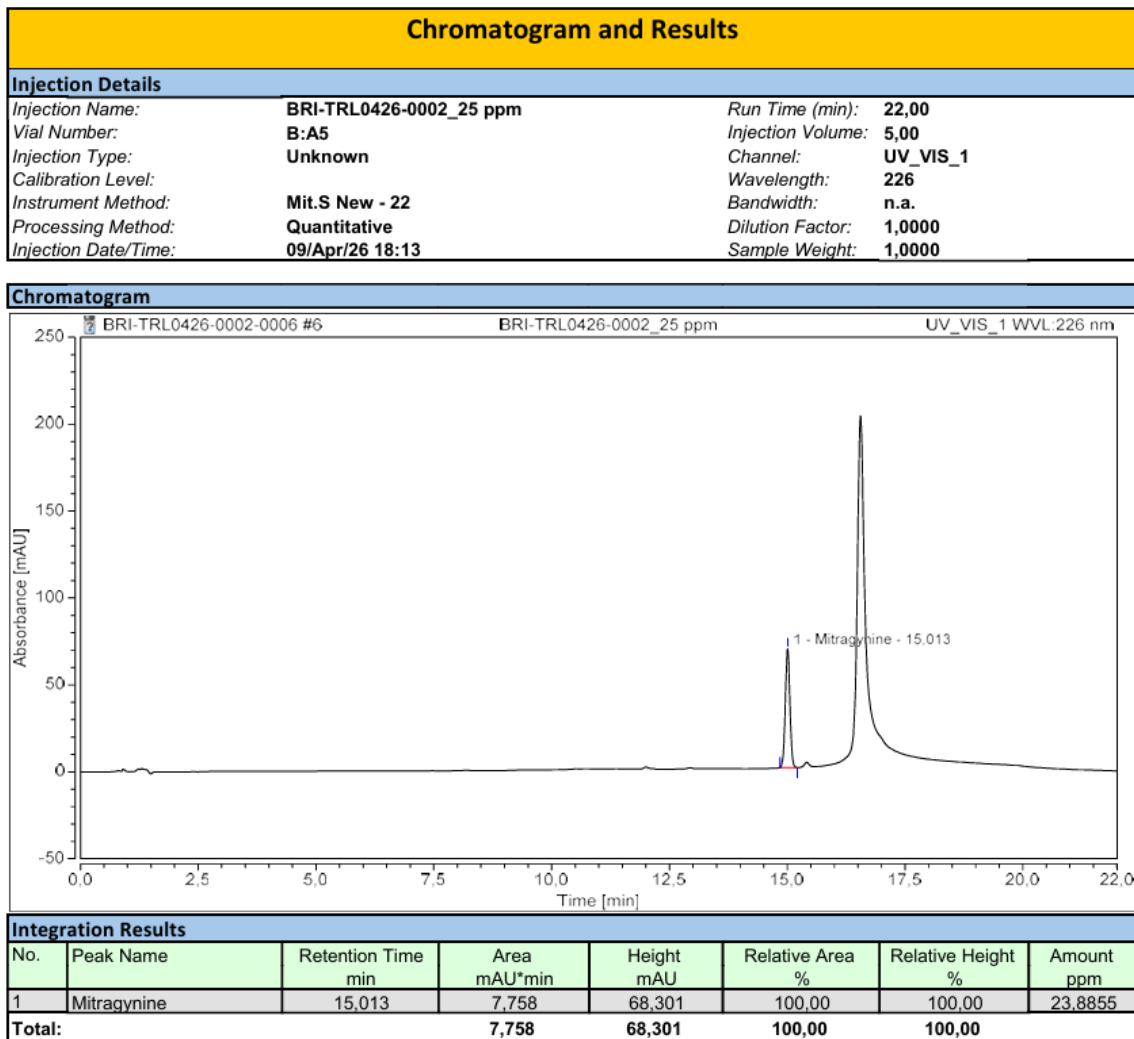
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Lampiran 1.

E. Kratom 25 ppm



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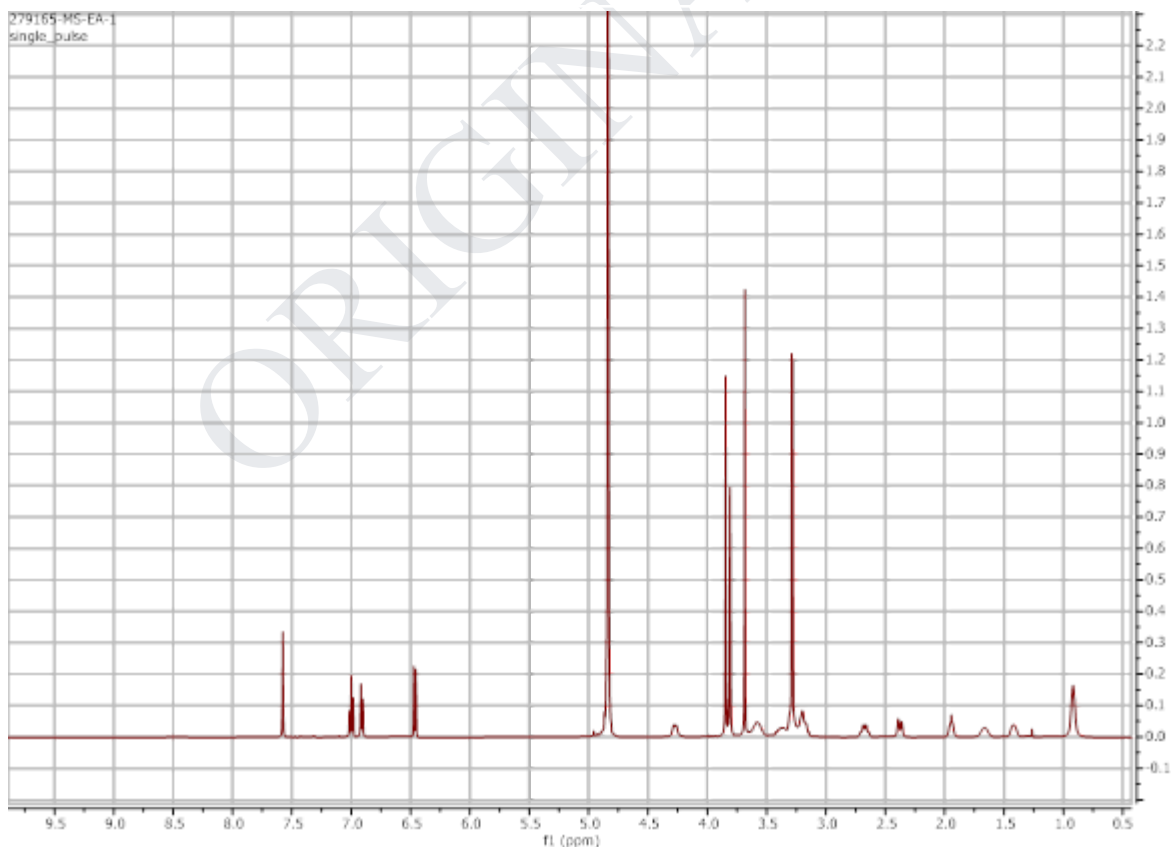


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I Sample Description

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II Results



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Data Interpretation

The ^1H NMR spectrum of the sample (recorded in MeOD) shows signals consistent with the characteristic proton resonances of mitragynine, confirming the identity of the material. The observed chemical shifts and signal patterns correspond to the expected structural features of mitragynine, including aromatic, olefinic, methoxy, and aliphatic proton regions, which are consistent with previously published spectroscopic data reported by (Hiranita et al., 2019).

Hiranita, T., Leon, F., Felix, J. S., Restrepo, L. F., Reeves, M. E., Pennington, A. E., Obeng, S., Avery, B. A., McCurdy, C. R., McMahon, L. R., & Wilkerson, J. L. (2019). The effects of mitragynine and morphine on schedule-controlled responding and antinociception in rats. *Psychopharmacology*, 236(9), 2725–2734.

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