



Kuber Impex Ltd

## CERTIFICATE OF ANALYSIS

<b>DRUG SUBSTANCE:</b>	<b>MITRAGYNA SPECIOSA 70%</b>	<b>BATCH QUANTITY:</b>	<b>20.00 KG</b>
<b>BATCH NO.:</b>	<b>KIL/REF – 0825/ MS</b>	<b>DATE OF MFG.:</b>	<b>AUG - 2025</b>
<b>DATE OF ANALYSIS:</b>	<b>19/08/2025</b>	<b>RETEST DATE:</b>	<b>JUL - 2026</b>

<b>Alkaloids Profile</b>				
<b>Analyte / Property</b>	<b>LOD (mg/g)</b>	<b>LOQ (mg/g)</b>	<b>Results (%)</b>	<b>Results (mg/g)</b>
Mitragynine	0.125	0.2604	79.79%	797.92
Mitragynine Pseudoindoxyl*	0.125	0.2604	ND	N/A
7OH-Mitragynine	0.125	0.2604	0.67%	6.67
Paynantheine	0.125	0.2604	2.68%	26.79
Speciogynine	0.125	0.2604	2.32%	23.25
Speciociliatine	0.125	0.2604	3.08%	30.77
Mitraphylline	0.125	0.2604	ND	N/A
Isorhynchophylline	0.125	0.2604	ND	N/A
<b>Total Alkaloids</b>			<b>88.54%</b>	<b>885.40</b>

\*\*Mitragynine pseudoindoxyl reported on this COA has had its method validated by Inhouse method, but not by ANAB, and is therefore not an ISO17025 accredited work item. All other analytes are included on ISO17025 scope, and are accredited work items.

<b>Heavy Metals</b>					
<b>Analyte</b>	<b>Result (ppm)</b>	<b>LOQ (ppm)</b>	<b>Spec Limit</b>	<b>Method</b>	<b>Status</b>
Lead (Pb)	0.032	0.01	≤0.5	ICP-MS (AOAC/ICP)	PASS
Arsenic (As)	0.041	0.01	≤1.0	ICP-MS (AOAC/ICP)	PASS
Cadmium (Cd)	0.006	0.005	≤0.3	ICP-MS (AOAC/ICP)	PASS
Mercury (Hg)	0.002	0.001	≤0.1	ICP-MS (AOAC/ICP)	PASS

<b>Pharmaceutical Adulterants Screen</b>					
<b>Analyte (Screened)</b>	<b>Result</b>	<b>LOQ (µg/g)</b>	<b>Spec</b>	<b>Method</b>	<b>Status</b>
Sildenafil & analogs	ND	0.5	ND	LC-MS/MS	PASS
Tadalafil & analogs	ND	0.5	ND	LC-MS/MS	PASS
Vardenafil & analogs	ND	0.5	ND	LC-MS/MS	PASS
Sibutramine	ND	0.5	ND	LC-MS/MS	PASS
Phenolphthalein	ND	0.5	ND	LC-MS/MS	PASS
1,3-DMAA	ND	0.5	ND	LC-MS/MS	PASS
Yohimbine	ND	0.5	ND	LC-MS/MS	PASS
Clenbuterol	ND	0.5	ND	LC-MS/MS	PASS

CIN:-U52311MP1997PLC011825

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Other Chemical Adulterants/Contaminants					
Analyte	Result	LOQ	Spec	Method	Status
Ethylene Oxide (EO)	ND	0.05 ppm	ND / Client Spec	GC-MS	PASS
2-Chloroethanol (2-CE)	ND	0.05 ppm	ND / Client Spec	GC-MS	PASS
1,4-Dioxane	ND	0.05 ppm	ND / Client Spec	GC-MS	PASS
Melamine	ND	0.10 ppm	ND / Client Spec	LC-MS/MS	PASS

**\*\*Method Summary:** ICP – MS for Heavy Metals; LC-MS/MS for Pharma adulterants; GC-MS/ LC-MS/MS for Other Chemicals.

**Remarks:** The Material Complies with as per Specification

**Storage Condition:** Preserve in air tight container at room temperature and protect form sunlight.



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