



Certificate of Analysis

COA No.: 25/08-002

Product name	Dried & grounded kratom leaves - Tang Kwa, Red			Lot No.	RM250721001
MFG	24/07/2025	EXP	24/01/2026	Batch size	1,000 Kg.

Test Item	Specification	Results	Method
Physical test			
Appearance	Greenish brown to Brown powder	Conformed	Visual
Odour & Taste	Kratom Characteristic/ Matcha like	Conformed	Organoleptic
Solubility	Not soluble in water, Soluble in Alcohol	Conformed	Visual
Moisture content	≤ 7 %	5.95 %	National food safety standard (GB.5009.3)
Chemical test			
Lead (Pb)	NMT 1 ppm	Conformed	AOAC (2019) 986.15 by ICP-MS Technique
Mercury (Hg)	NMT 0.5 ppm	Conformed	AOAC (2019) 986.15 by ICP-MS Technique
Arsenic (As)	NMT 2 ppm	Conformed	AOAC (2019) 986.15 by ICP-MS Technique
Cadmium (Cd)	NMT 0.3 ppm	Conformed	AOAC (2019) 986.15 by ICP-MS Technique
Microbiological test			
Total Aerobic Microbial Count	NMT 10 ⁴ cfu/g	Conformed	In-house method based on USP41/NF36 <2021>
Total Yeast/Mold Count	NMT 10 ³ cfu/g	Conformed	In-house method based on USP41/NF36 <2021>
<i>Escherichia coli</i>	Negative	Conformed	In-house method based on USP41/NF36 <2021>
<i>Clostridium</i>	Negative	Conformed	In-house method based on USP41/NF36 <2021>
<i>Salmonella</i> spp.	Negative	Conformed	In-house method based on USP41/NF36 <2021>
<i>Staphylococcus aureus</i>	Negative	Conformed	In-house method based on USP41/NF36 <2021>

Assay	≥ 1% Mitragynine	1.412 %	HPLC (In-house method)
-------	------------------	---------	------------------------

Conclusion	Conform with the specification.
Storage condition	Keep closed, Store at ≤ 20°C in a dry place and away from sunlight.
Shelf-life	6 months after the manufacturing date.

Provided by		Assured by		Approved by	
QC/Laboratory staff		Quality Assurance Department		Chief Operating Officer/QMR	
Date	01/08/25	Date	01/08/25	Date	01/08/25