

CERTIFICATE OF ANALYSIS

Product Name	Ginger Exosomes (Zingiber officinale)		
Batch Number:	HTEVGI16.001-2025	Report Date:	11-09-2025
Sample Description:	Active Raw Material	Manufacture Date:	Sep 2025
Volume:	5 ml	Expiry Date:	Aug 2026
This product is filter sterilized using 0.2µm filter.			

Test Parameter	Specification / Acceptance Criteria	Result
Appearance	Transparent clear liquid	Transparent Clear Liquid
Fill Volume (mL)	5±0.5 mL	5 mL
pH	5.0 -6.0	5.17
Protein Concentration by Bradford Analysis	Not Less than 2µg/mL (Which refer to 1µg= 1billion of EV's)	2.13 µg/mL
Particle Size Distribution	30-200 nm (Median)	Population is within the range
Morphology by SEM	Spherical, Cup shape	Complies
Microbiological Analysis		
Total Aerobic Microbial Count (TAMC)	≤10 ⁴ CFU/g (Category L)	Absent
Total Yeast & Mold Count (TYMC)	≤10 ² CFU/g (Category L)	<1 CFU/g
Escherichia coli	Absent in 1g (Category L)	Absent
Salmonella species	Absent in 10g (Category L)	Absent
Heavy Metals		
Lead (Pb)	≤5 ppm	<0.05 ppm
Cadmium (Cd)	≤0.3 ppm	<0.01 ppm
Mercury (Hg)	≤0.1 ppm	BLQ 0.02 ppm
Arsenic (As)	≤1.5 ppm	<0.052 ppm
Chromium (Cr)	≤2 ppm	<0.1 ppm
Pesticides		
Aflatoxin B1	≤2 ppb	Complies

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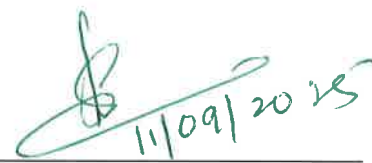
Test Parameter	Specification / Acceptance Criteria	Result
Aflatoxin B2	≤ 2 ppb	Complies
Aflatoxin G1	≤ 2 ppb	Complies
Aflatoxin G2	≤ 2 ppb	Complies
Ethylene Oxide	≤ 0.01 mg/Kg	Complies
Pesticides Residue	≤ 0.01 mg/Kg	Complies

Conclusion: The above sample complies/~~Not Complies~~ with the specified acceptance criteria.


11/09/2025

Prepared By
(Head Analytical)




11/09/2025

Approved By
(Head of Quality)