



CERTIFICATE OF ANALYSIS

Product Name	Citrus Aurantium Extract (Hesperidin 90%)
Botanical Latin Name	Citrus aurantium L.
Part Used	Fruit
Batch Number	C20241019
Manufacture Date	2024/10/19
Expiry Date	2027/10/18
Issue Date	2024/10/20

Physical & Chemical Data

Analysis Item	Specification	Result	Test Method
Appearance	Off-white fine powder	Conforms	Visual
Odor & Taste	Characteristic	Conforms	Organoleptic
Assay	Hesperidin $\geq 90\%$	90.10%	HPLC
Particle Size	95% pass 80 mesh	Conforms	80 Mesh Screen
Identification	Positive	Conforms	TLC
Loss on Drying	$\leq 5.0\%$	3.23%	CP2015
Residue on Ignition	$\leq 5.0\%$	4.17%	CP2015
Bulk Density	0.1–0.5 g/ml	Conforms	CP2015
Tap Density	0.1–0.5 g/ml	Conforms	CP2015

Heavy Metals

Analysis Item	Specification	Result	Test Method
Lead (Pb)	NMT 3 ppm	<3 ppm	Atomic Absorption
Arsenic (As)	NMT 2 ppm	<2 ppm	Atomic Absorption
Mercury (Hg)	NMT 0.1 ppm	<0.1 ppm	Atomic Absorption
Cadmium (Cd)	NMT 1 ppm	<1 ppm	Atomic Absorption

Microbiological

Analysis Item	Specification	Result	Test Method
Total Plate Count	NMT 10,000 cfu/g	<1,000 cfu/g	CP2015
Total Yeast & Mold	NMT 1,000 cfu/g	<100 cfu/g	CP2015
E. coli	Negative	Negative	CP2015
Salmonella	Negative	Negative	CP2015
Staphylococcus	Negative	Negative	CP2015

General Status

Non-GMO, Allergen Free, Non-Irradiation

Packaging & Storage

Packed in paper-drums and two plastic-bags inside.

Store in a well-closed container away from moisture, light, oxygen.

Base Bulk