

**CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	<b>Naringin</b>		
<b>Botanical Name</b>	<i>Citrus grandis (L.) Osbeck</i>	<b>Plant part used</b>	Fruit
<b>Batch Number</b>	220502	<b>Quantity</b>	500kg
<b>Manufacture Date</b>	May.02nd,2022	<b>Expiry Date</b>	May.01st,2024

Item of Analysis	Specification	Results	Test Methods
Assay (on dry basis) by HPLC	≥98.00%	98.26%	HPLC
<b>Organoleptic:</b>			
Appearance	Off white powder	Complies	Visual
Odor	Characteristic	Complies	Organoleptic
Taste	Characteristic	Complies	Organoleptic
<b>Physical characteristics:</b>			
Loss on drying	≤5.00%	2.15%	CP2015
Ash	≤1.00%	0.24%	CP2015
Particle Size	98% through 80 mesh	Complies	80 mesh sieve
Pesticides Residue	EU Directive	Complies	EC396/2005
Solvent Residue	EU Directive	Complies	EC2009/32
Sum of PAH 4	≤50ppb	Complies	EC1881/2006
Benzo(a)pyrene	≤10ppb	Complies	EC1881/2006
<b>Chemical analysis:</b>			
Heavy metals	≤10.00ppm	Complies	Atomic Absorption
Lead(Pb)	≤1.00ppm	Complies	Atomic Absorption
Arsenic (As)	≤1.00 ppm	Complies	Atomic Absorption
Cadmium(Cd)	≤1.00ppm	Complies	Atomic Absorption
Mercury(Hg)	≤0.10ppm	Complies	Atomic Absorption
<b>Microbiological Test:</b>			
Total microbacterialcount	≤1000cfu/g	Complies	CP2015
Total Yeast & Mold	≤100cfu/g	Complies	CP2015
E.Coli	Negative/10g	Negative	CP2015
Salmonella	Negative/25g	Negative	CP2015
Staphylococcus	Negative	Negative	CP2015
Aflatoxin B1	< 5 µg/kg	Complies	EC1881/2006
Sum of Aflatoxin B1, B2, G1, G2	< 10 µg/kg	Complies	EC1881/2006

**Package:** Packed in paper-drums and two plastic-bags inside, N.W:25kg.

**Storage:** Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

**Shelf Life:** 24 months if store under the conditions above and stay in original packaging.

