

# BaseBulk

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Total phytosterols
<b>Batch Number</b>	QY-ZZP20250303
<b>Botanical Source</b>	Pinus pinaster Ait.
<b>Plant Part</b>	Pine Oil
<b>Manufacturing Date</b>	2025-03-03
<b>Expiration Date</b>	2028-03-02

### Assay

Analysis Item:	Specification	Result
Total phytosterols β-Sitosterol Brassicasterol Campesterol Stigmasterol	99%	99.12%

### Physical & Chemical Characteristics

Analysis Item	Specification	Result
Appearance	White Fine Powder	Conforms
Odor & Taste	Characteristic	Conforms

### Analytical Quality

Analysis Item	Specification	Result
Identification	Identical	TLC
Sieve	NLT 95% Through 80 mesh	Conforms
Extract Solvent	Ethanol & Water	Conforms
Loss on Drying	≤5.0%	0.29%
Ash	≤5.0%	0.72%
Bulk Density	0.30~0.70 g/mL	Conforms
DER	25:1	Conforms
Benzo(a)pyrene	≤10 µg/kg	Conforms
Sum PAH 4 Benzo(a)pyrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Chrysene	≤50 µg/kg	Conforms

### Pesticide Residues

Analysis Item	Specification	Result
BHC	≤0.2 ppm	Conforms
DDT	≤0.2 ppm	Conforms
PCNB	≤0.1 ppm	Conforms

### Heavy Metals

Analysis Item	Specification	Result
Total Heavy Metals	≤10 ppm	Conforms
Arsenic (As)	≤2 ppm	Conforms
Lead (Pb)	≤2 ppm	Conforms
Mercury (Hg)	≤0.1 ppm	Conforms
Cadmium (Cd)	≤1 ppm	Conforms

### Microbiological Tests

Analysis Item	Specification	Result
Total Plate Count	≤10000 cfu/g	Conforms
Yeast & Mold	≤300 cfu/g	Conforms
E. coli	Negative	Negative
Salmonella	Negative	Negative
Staphylococcus	Negative	Negative

### Packaging & Storage

Parameter	Details
Storage	Cool & dry place. Do not freeze. Keep away from strong light and heat.
Shelf Life	36 months under the conditions above and in its original packaging.
Packaging	In double sealed PP bags, 10/25kgs Drum