

# BaseBulk

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Soybean Extract
<b>Botanical Latin Name</b>	Glycine max (Linn.) Merr.
<b>Part Used</b>	Soybean Germ
<b>Country of Origin</b>	China
<b>Extract Solvent</b>	Ethanol & Water
<b>Extract Ratio</b>	20:1
<b>Batch Number</b>	378-24122920
<b>Quantity</b>	950 kg
<b>Manufacture Date</b>	Dec. 29, 2024
<b>Expiry Date</b>	Dec. 28, 2028

### Physical Parameters

<b>Analysis Item</b>	<b>Specification</b>	<b>Result</b>
Appearance	Yellow or light-yellow powder	Complies
Odor	Characteristic	Complies
Taste	Characteristic	Complies
Loss on drying	≤8.0%	0.63%
Ash	≤8.0%	5.01%
Particle size	≥98% pass 80 mesh	Complies

### Chemical Parameters

<b>Analysis Item</b>	<b>Specification</b>	<b>Result</b>
Heavy metals (total)	≤10 ppm	Complies
Arsenic (As)	≤1 mg/kg	Complies
Lead (Pb)	≤3 mg/kg	Complies
Cadmium (Cd)	≤1 mg/kg	Complies
Mercury (Hg)	≤0.1 mg/kg	Complies
Solvent residual	≤5000 mg/kg	Complies

### Assay

Analysis Item	Specification	Result
Total Isoflavones (HPLC)	≥40.0%	40.83%
Daidzin (HPLC)	-	23.62%
Glycitin (HPLC)	-	11.41%
Genistin (HPLC)	-	3.37%
Daidzein (HPLC)	-	1.24%
Glycitein (HPLC)	-	0.76%
Genistein (HPLC)	-	0.43%

#### Microbiological Parameters

Analysis Item	Specification	Result
Total Plate Count	≤1,000 cfu/g	<10 cfu/g
Yeast & Mold	≤100 cfu/g	<10 cfu/g
Coliforms	≤0.92 MPN/g	Negative
Salmonella	Negative	Complies

#### Packaging & Storage

Item	Details
Packing	Pack in paper-drums and two food grade poly bags inside. Net weight 25 kg/drum.
Storage condition	Seal and store in a cool and dry place, avoiding direct sunlight.
Shelf life	Four years when properly stored.