

## CERTIFICATE OF ANALYSIS

Product Name: **Soy Isoflavones**

Batch No.: **070404**

Manufacturing Date: **April 15, 2007**

Batch Size: **500 kg**

Expiry Date: **April 15, 2008**

**SPECIFICATION: ENTERPRISE STANDARD Q/62088872-5.1-2005**

NATURE OF TEST	QUALITY STANDARD	TEST RESULT
<b>CHARACTER</b>	Light yellow to yellow powder	Light yellow powder
<b>IDENTIFICATION</b>		
- TLC Test	The spots of Daidzin and Genistin should be prominent.	Conform
- HPLC	Fingerprint-HPLC Chromatogram should conform to that of the reference substance.	Conform
<b>TESTS</b>		
- Loss on Drying	≤ 5.0%	1.9%
- Particle Size	100% pass 80 mesh sieve	Conform
- Arsenic	≤ 0.3 ppm	< 0.1 ppm
- Lead	≤ 0.5 ppm	< 0.2 ppm
<b>ASSAY, by HPLC, on dried substance</b>		
- Total Isoflavones	≥ 40.0%	43.0%
-- Daidzin		15.4%
-- Glycitin		1.9%
-- Genistin		23.1%
-- Daidzein		1.0%
-- Glycitein		1.1%
-- Genistein		0.5%
<b>MICROBIOLOGICAL TESTS</b>		
- Total Plate Count	≤ 10 <sup>3</sup> CFU/ g	< 1×10 <sup>2</sup> CFU/ g
- Yeast & Mould	≤ 10 <sup>2</sup> CFU / g	< 10 CFU / g
- Salmonella	Negative /g	Negative/g
- E. Coli	Negative /g	Negative/g
<b>CONCLUSION: THE TEST RESULTS CONFORM TO THE ENTERPRISE STANDARD Q/62088872-5.1-2005.</b>		