

NOVASOY[®] 400

NOVASOY SOY ISOFLAVONE CONCENTRATE



DESCRIPTION

Isoflavones are a unique group of compounds found in soybeans. They have a structure similar to the hormone estrogen and may share some of the physiological properties of estrogen. Clinical research shows that soy isoflavone products like Novasoy[®] 400 may reduce the incidence of hot flashes, and some clinical studies show isoflavones may also improve arterial health.

Novasoy 400 is a soy-based isoflavone concentrate carefully extracted to assure that the ratio of isoflavones as well as the aglycone and glycoside isoforms are maintained as they would be found in soybeans and unfermented soyfoods. Novasoy soy isoflavones can be used singly or in combination with other ingredients to provide a formulation suitable for most products.



TYPICAL CHARACTERISTICS

Appearance	Tan powder
Taste	Typical
Odor	Typical
Solubility	Dispersible in water
Bulk density, g/ml	0.6-0.7



SPECIFICATIONS

Total isoflavones, %, as is**	40.0 min.	AM 004 ver. 2***
Moisture, %	7.0 max.	AOCS Ba 2a-38
Heavy metals, ppm, as lead*	5.0 max.	USP/FCC Modified
Standard plate count, per g	3,000 max.	FDA/BAM Ch. 3
Yeast & mold, per g	300 max.	FDA/BAM Ch. 18
Salmonella, per 100 g	Neg.	FDA/BAM Ch. 5 Modified
E. coli, per 11 g	Neg.	FDA/BAM Ch. 4 Modified

*These tests are run every six months on composite samples.

**Predominantly in the glucoside form

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For customers around the world, ADM draws on its resources—its people, products, and market perspective—to help them meet today's consumer demands and envision tomorrow's needs.

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STANDARDS

Novasoy® 400 soy isoflavones is certified Kosher and Halal. It is produced under current food Good Manufacturing Practices (GMPs) and a HACCP program.

GRAS STATUS IN THE USA

An expert panel, using scientific procedures, critically evaluated the current data and information on soy isoflavones and concluded that Novasoy soy isoflavones, a mixture of soy isoflavones with the natural proportion found in soybeans meeting appropriate food-grade specifications and produced under current GMPs (21 CFR, Part 110, section 182.1(b)), was Generally Recognized As Safe (GRAS) for use as an ingredient in adult meal replacements, healthy beverages, and healthy snack bars to a level of 25 mg per serving or a total of 50 mg per day.

GM STATEMENT

This product can be purchased as either an identity preserved (IP)-grade product or a standard, PCR negative product. ADM's Novasoy IP program is certified by GeneScan. Copies of the program and certificate are available upon request.

STORAGE

Product should be preserved in closed containers under cool, dry conditions.

SHELF LIFE

When stored unopened in original packing and under recommended storage conditions, the shelf life is six years from the date of manufacture.

PACKAGING

Novasoy 400 soy isoflavones is available in 20 kg poly-ethylene lined, fiber drums and 5 kg plastic pails. Samples are available upon request.