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## **SPECIFICATION SHEET**

### **Soy Isoflavones 40%-P**

**Specification No.:**

SP-SIF-NSIG-101

**Weaving time:**

06-Jun-2020

#### **Description:**

**Product name:** Soy Isoflavones 40%-P

**Botanical source:** Soy (*Glycine max (L.) Merr.* )

**Plant part used:** Germ

**Extraction ratio:** 50:1

**Extraction solvent:** Ethanol / Water

**Shelf Life:** 2 Years

**Declarations:** Non Irradiation, Non-GMO, Allergen free (Gluten free), Melamine free (<2.5PPM) and Natural.

	<b>Specifications</b>	<b>Test Method</b>
<b>Organoleptic quality:</b>		
<b>Appearance</b>	Light Yellow powder	Visual
<b>Odor &amp; Taste</b>	Characteristic	Visual & taste
<b>Analytical quality:</b>		
<b>Particle size</b>	100%Through 80 mesh	USP<786>
<b>Bulk density</b>	35-65g/100ml	USP <616>
<b>Loss on drying</b>	≤5.0%	GB 5009.3
<b>Sulphated</b>	≤5.0%	GB 5009.4
<b>Total Isoflavones</b>	≥40.0%	HPLC
<b>Daidzin</b>	≥20.0%	HPLC
<b>Glycitin</b>	≥8.0%	HPLC
<b>Genistin</b>	≥2.0%	HPLC
<b>Daidzein+ Glycitein+ Genistein</b>	≤3.0%	HPLC
<b>Solvents residue</b>	≤5000ppm	CP 2020 0861
<b>Heavy metals quality:</b>		
<b>Heavy metals</b>	≤10ppm	GB 5009.74
<b>Arsenic (AS)</b>	≤1ppm	GB 5009.11
<b>Lead (Pb)</b>	≤3ppm	GB 5009.12
<b>Cadmium (Cd)</b>	≤1ppm	GB 5009.15
<b>Mercury (Hg)</b>	≤0.1ppm	GB 5009.17
<b>Microbiological quality:</b>		
<b>Total plate count</b>	≤1000cfu/g	GB 4789.2
<b>Yeast &amp; Mold</b>	≤100cfu/g	GB 4789.15
<b>Coliforms</b>	≤10cfu/g	GB 4789.3
<b>E.Coli</b>	Negative	GB 4789.38
<b>Salmonella</b>	Negative	GB 4789.4
<b>Storage:</b>	Keep container unopened in cool, dry place.	