



Product Specification

Product: PE Wild Yam
Product Code #: 4683

Country of Origin: USA
Country of Manufacture: USA

Expiration Date: 4 Years

PRODUCT DESCRIPTION: A powdered extract of *Dioscorea villosa* (Wild Yam) Root in a base of maltodextrin. Wild yam root is extracted in methanol/water (50:50 v/v) and oven dried with maltodextrin as a carrier. The extraction ratio is 1:1.

Test	Specification	Method / Reference
Physical:		
Appearance	Fine, free-flowing powder	COQCL-000001 / Organoleptic
Color	Tan to brown	COQCL-000001 / Organoleptic
Odor	Characteristic, bland	COQCL-000001 / Organoleptic
Identification	Compares to standard	COQCL-000043 / ID
Ash Content	$\geq 5.00\%$ (2 hrs @ 600° C)	COQCL-000012 / Ash
Bulk Density	0.55 – 0.95 g/mL	COQCL-000013 / Density
Loss on Drying / Moisture	$\leq 8.00\%$ (2 hrs @ 150° C)	COQCL-000100 / LOD
Mesh Size / Particle Size	$\geq 95.00\%$ (@ #40 Mesh)	COQCL-000021 / Particle Size
Foreign Material	$\leq 0.20\%$	COQCL-000011 / Foreign Matter
Heavy Metals:		
Arsenic	≤ 5.00 ppm	COQCL-000095 / ICP-MS
Cadmium	≤ 3.00 ppm	COQCL-000095 / ICP-MS
Lead	≤ 3.00 ppm	COQCL-000095 / ICP-MS
Mercury	≤ 0.5 ppm	COQCL-000095 / ICP-MS
Pesticide Residues	Conforms to USP <561>	COTP-EURO- / USP<561>
Microbiological:		
Total Aerobic Plate Count	$\leq 10,000$ cfu/g	COQCL-000501 / BioLumix
Combined Yeast & Mold	$\leq 1,000$ cfu/g	COQCL-000501 / BioLumix
<i>E. coli</i>	Absent in 10 g	COQCL-000501 / BioLumix
<i>Salmonella</i>	Absent in 10 g	COQCL-000501 / BioLumix
<i>Staph. Aureus</i>	Absent in 10g	COQCL-000501 / BioLumix

Manufacturer: Bio-Botanica, Inc.

Recommended Storage: Store in a cool dry place, protected from heat, light and freezing temperatures.

Rev. 1 (10/7/2024)

Sophia Imanov 10/7/2024
Sophia Imanov Quality and Food Safety Supervisor

