



## Grains and Vegetables

### Tylophora Extract Powder

<b>Product:</b>	Tylophora Extract
<b>Botanical Name:</b>	Tylophora asthmatica
<b>Form/Plant Part:</b>	2.5% alkaloids from leaf
<b>Other Information:</b>	cGMP Certified, ISO9002/ANSI-RAB Accredited

Analysis	Specification	Result	Test Method
Identification	HPTLC/FTIR	Pass	HPTLC
Appearance	Brown Powder	Pass	Organoleptic
Alkaloid Content	>2.5%	2.62%	HPLC
Extract Ratio	15-18:1	Pass	Report
Particle Size	>90% at 80-mesh	99% at 80-mesh	80-mesh Screen
Loss on Drying	≤5.0%	3.80%	Halogen-MB
Ash Content	<8%	0.44%	2g/525C/3hrs
Extract Solvent	Ethanol & Water	50/50 (v/v)	Report
Country of Origin	India	India	Report
Heavy Metals	<5ppm Total	<2ppm	USP 28-Report
As:	<1ppm	0.36ppm	USP 28-Report
Cd:	<1ppm	0.12ppm	USP 28-Report
Hg:	<1ppm	0.09ppm	USP 28-Report
Pb:	<2ppm	0.72ppm	USP 28-Report
Excipients/Carries	<10% SiO <sub>2</sub> or Dextrin	<2% maltodextrin	Report
Endangered Spp.	Negative	Pass	Report
GMO State	GMO Free	Pass	Report
Extraneous Metal	Negative	Pass	Magnetic Screen
Pesticides	Negative	Not Tested	GC
Total Plate Count	<100,000 cfu/g	2976 cfu/g	(AOAC 990.12)
Yeast	<1,000 cfu/g	<100 cfu/g	(AOAC 997.02)
Mold	<1,000 cfu/g	<100 cfu/g	(AOAC 997.02)
Coliform	<100 cfu/g	Negative (<10 cfu/g)	(AOAC 991.14)
E. Coli Negative	(<10 cfu/g)	Negative (<10 cfu/g)	(AOAC 991.14)