

## Certificate of Analysis

### Tongkat Ali Extract

<b>General Information</b>			
Plant Origin	Tongkat Ali	Representative QTY	300kg
GMO Status	GMO free	Solvent Used	Water
Batch #	YS-HY-140301	Produce date	2014-03-01
Analysis Date	2014-03-03	Report Date	2014-03-05
<b>Item</b>	<b>Specification</b>	<b>Method</b>	<b>Result</b>
<b>Physical Property</b>			
Appearance	Fine Powder	Organoleptic	Conforms
Color	Brown	Organoleptic	Conforms
Odour	Characteristic	Organoleptic	Conforms
Mesh Size	100% through 80 mesh size	USP32<786>	Conforms
<b>General Analysis</b>			
Identification	Identical to sample	TLC	Conforms
Assay	200:1		200:1
Loss on Drying	≤5.0%	Eur.Ph.6.0[2.8.17]	1.25%
Ash	≤5.0%	Eur.Ph.6.0[2.4.16]	1.18%
<b>Contaminants</b>			
Solvents Residue	Meet Eur.Ph6.0<5.4>	Eur.Ph 6.0<2.4.24>	Conforms
Pesticides Residue	Meet USP32<561>	USP32<561>	Conforms
Lead(Pb)	≤3.0mg/kg	Eur.Ph6.0<2.2.58>ICP-MS	1.1
Arsenic(As)	≤2.0mg/kg	Eur.Ph6.0<2.2.58>ICP-MS	0.6
Cadmium(Cd)	≤1.0mg/kg	Eur.Ph6.0<2.2.58>ICP-MS	0.8
Mercury(Hg)	≤0.1mg/kg	Eur.Ph6.0<2.2.58>ICP-MS	0.08
<b>Microbiological</b>			
Total Plate Count	≤1000cfu/g	USP30<61>	34
Yeast & Mold	≤100cfu/g	USP30<61>	31
E.Coli.	Negative	USP30<62>	Conforms
Salmonella	Negative	USP30<62>	Conforms
<b>Shelf Life</b>	24 months under the conditions below, no antioxidant used		
<b>Package&amp;Storage</b>	Standard packed in fiber-drum and two plastic bags inside N.W: 25kgs. I.D. 35 x H51 cm; Store in a cool,dry place away from Moisture, Light, Oxygen		