

**Certificate of Analysis**

<b>Product Name:</b>	Ginkgo Biloba Extract USP 31 Grade	<b>Botanical Source:</b>	Ginkgo Leaf
<b>Batch No.:</b>	20100920	<b>Manufacturing Date:</b>	Sep. 20, 2010
<b>Batch Quantity:</b>	1000Kgs, 25Kgs/Drums, 40 Drums.	<b>Expiration Date:</b>	Sep. 19, 2013

Item	Specification	Result	Method
<b>Description</b>			
Appearance	Light yellow fine powder	Complies	Visual
Odor / Taste	Characteristic	Complies	Organoleptic
Extract Solvent	Ethanol & Water	Complies	
Excipient	None	Complies	
Particle Size	100% Through 80 mesh	Complies	USP
Bulk Density	0.55g/ml~0.68g/ml	Complies	USP
<b>Maker Compounds</b>			
Total Flavone Glycosides	22~27%	25.68%	HPLC
Quercetin		11.70%	HPLC
Kaempferol		11.73%	HPLC
Isorhamnetin		2.25%	HPLC
Quercetin : Kaempferol	0.80~1.25	1.00%	
Total Terpene Lactones	5.4~12%	6.31%	HPLC
GinkgolidesA+B+C	2.8~6.2%	3.40%	HPLC
Ginkgolides (A)		1.60%	HPLC
Ginkgolides (B)		0.38%	HPLC
Ginkgolides (C)		1.42%	HPLC
Bilobalides	2.6~5.8%	2.91%	HPLC
Rutin	≧ 3.50%	Complies	HPLC
Total Ginkgolic Acid	≧ 5.00PPM	Complies	HPLC
<b>Chemical Test</b>			
Loss on Drying	≧ 5.00%	2.70%	USP
<b>Heavy Metals</b>	≧ 3.0PPM	Complies	Atomic Absorption
Lead	≧ 0.5PPM	Complies	Atomic Absorption
Arsenic	≧ 0.5PPM	Complies	Atomic Absorption
Cadmium	≧ 0.1PPM	Complies	Atomic Absorption
Mercury	≧ 0.1PPM	Complies	Atomic Absorption
<b>Pesticides Residue</b>	As Per USP	Complies	Gas Chromatography
<b>Microbiological Tests</b>			
Total Plate Count	≧ 1000Cfu/g	Complies	USP
Yeast & Mold	≧ 50Cfu/g	Complies	USP
E. Coli.	Negative	Negative	USP
Salmonella	Negative	Negative	USP
Staphylococcus	Negative	Negative	USP
Aflatoxins (B1,B2,G1,G2)	≧ 0.2PPB	Complies	USP
<b>Storage :</b>	Store in cool and dry place, keep away from strong light and heat.		
<b>Genetic Modification State:</b>	This product is GMO free products.		
<b>Free Radiation Effect:</b>	This product is not been irradiated.		

Test by:  Date: Sep. 25, 2010

Result: 

Approved by:  Date: Sep. 25, 2010

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