

CERTIFICATE OF ANALYSIS

Product Name: **Ginkgo Biloba P.E.**

Batch No.: **070401**

Manufacturing Date: **April 4, 2007**

Batch Size: **500 kg**

Expiry Date: **April 4, 2009**

SPECIFICATION: CP2005

NATURE OF TEST	QUALITY STANDARD	TEST RESULT
CHARACTER	Light brownish yellow to brownish brown powder; slightly bitter taste.	Light brownish yellow powder; slightly bitter taste.
IDENTIFICATIONS		
-TLC Examination (Flavones)	Showing same color spots with the reference solution under both sunlight and UV(365 nm).	Positive reaction
-TLC Examination (Lactones)	Showing same color spots with the reference solution under UV(365 nm).	Positive reaction
TESTS		
- Water	≤5.0%	2.8%
- Heavy Metals (as Pb)	≤20 ppm	<20ppm
- Residue on Ignition	≤0.8%	0.8%
- The ratio between the peak areas of Quercetin and Kaempferol	0.8~1.5	1.3
-Total ginkgolic acid	<10ppm	<10ppm
ASSAY, by HPLC, on dried substance		
- Total Ginkgo Flavone Glycosides	≥24.0%	24.8%
-- Quercetin Glycosides		12.9%
-- Kaempferol Glycosides		10.4%
-- Isorhamnetin Glycosides		1.5%
- Total Ginkgo Terpene Lactones	≥6.0%	6.0%
-- Bilobalide		1.2%
-- Ginkgolide C		0.8%
-- Ginkgolide A		2.6%
-- Ginkgolide B		1.4%
MICROBIOLOGICAL TESTS		
-Total Plate Count	≤10 ³ CFU/ g	<1×10 ² CFU/ g
-Yeast & Mold	≤1×10 ² CFU / g	<10 CFU/ g
-Salmonella	Negative /g	Negative /g
-E. Coli	Negative /g	Negative /g
CONCLUSION: THE TEST RESULTS CONFORM TO CP2005.		