



Certificate of Analysis

PRODUCT NAME: GINKGO BILOBA EXTRACT USP38

BATCH NO.: 20220410

MANUFACTURING DATE: Apr.10, 2022

BOTANICAL SOURCE: Ginkgo Biloba L.

PART USED: Leaf

BATCH QUANTITY: 1000KGS

Items	Specifications	Results	Methods
Appearance	Fine powder	Fine powder	Visual
Color	Brownish yellow	Brownish yellow	Visual
Odor	Characteristic	Characteristic	Organoleptic
Sieve Analysis	100% 80mesh	100% pass 80 mesh	80 mesh screen
Total Flavones Glycoside	22%-27%	25.67%	HPLC
Quercetin Glycoside		11.20%	
Kaempferol Glycoside		12.48%	
Isorhamnetin Glycoside		1.89%	
Total Terpenes Lactones	5.4%-12.0%	6.51%	HPLC
Lactones A		1.75%	
Lactones B		1.50%	
Lactones C		0.65%	
Bilobalides	2.6%-5.8%	2.61%	
	Lactones A>B>C	Complies	
Ginkgolic Acid	≤5ppm	5ppm	HPLC
Loss on Drying	≤5.0%	3.83%	5g/105°C/2hrs
Residue on Ignition	≤0.8%	0.62%	2g/525°C/3hrs
Bulk Density	0.55~0.68g/ml	0.58g/ml	CP2010
Heavy Metals	≤10ppm	2ppm Max	AAS
Pb	≤2ppm	Complies	AAS
As	≤1ppm	Complies	AAS
Cu	≤1ppm	Complies	AAS
Microbiological			
Total Plate Count	<10000cfu/g Max	Complies	AOAC
Yeast & Mold	<3000cfu/g Max	Complies	AOAC
E. Coli	Negative	Negative	AOAC
Salmonella	Negative	Negative	AOAC
Staphylococcus	Negative	Negative	AOAC
Packing and Storage	Packed in PE drum (N.W.: 25KG). Stored in a well-closed container in cool and dry place, away from sun light. Flush headspace with inert gas.		
Expiration Date	Apr 09, 2022		
Conclusion	Complies the above requirements		

