



Xi'an DN Biology Co.,Ltd

Add:Room 311, Lianhu Road,Lianhu District, Xi'an ,710003 China

Tel:86-29-87332678,87332667

Fax:86-29-87332667

Email:info@dnbiology.com

Website: www.dnbiology.com

Certificate of Analysis

Product Name	Birch Extract	Batch No.	0200051-201212C
Botanical Source	<i>Betula Platyphylla</i>	Manufacturing Date	2020-12-12
INCI Name	<i>Betula Platyphylla Japonica Bark Extract</i>	CAS No:	559-70-6
Plant Part	Bark	Expiration Date	2023-12-11

Item	Specification	Result	Method	
Assay	Betulin 98%	98.11%	HPLC	
Physical & Chemical Data				
Appearance	White fine powder	Conforms	Organoleptic	
Odor & Taste	Characteristic	Conforms		
Analytical Quality				
Identification		Identical	TLC	
Sieve	NLT 95% Through 80 mesh	Conforms	Mesh Screen	
Extract Solvent	Ethanol & Water	Conforms		
Loss on Drying	≤5.0%	0.15%	5g/105°C/2hrs	
Ash	≤5.0%	1.12%	2g/525°C/3hrs	
Bulk Density	0.30~0.70g/ml	Conforms	CP2015	
Methanol	≤1000ppm	Conforms	USP<616>	
Pesticide Residue				
BHC	≤0.2ppm	Conforms	GC-MASS	
DDT	≤0.2ppm	Conforms	GC-MASS	
PCNB	≤0.1ppm	Conforms	GC-MASS	
Total Heavy Metals	≤10ppm	Conforms	Colorimetry	
Arsenic(As)	≤2ppm	Conforms	AAS	
Lead(Pb)	≤2ppm	Conforms	AAS	
Mercury(Hg)	≤0.1ppm	Conforms	AAS	
Cadmium(Cd)	≤1ppm	Conforms	AAS	
Microbiological Tests	Irradiation	Non irradiated		
Total Plate Count	≤100cfu/g	≤100cfu/g	Conforms	USP <2021>
Yeast & Mold	≤100cfu/g	≤300cfu/g	Conforms	USP <2021>
E.Coli	Negative	Negative	Negative	USP <2022>
Salmonella	Negative	Negative	Negative	USP <2022>
Staphylococcus	Negative	Negative	Negative	USP <2022>
Conclusion	Conform with specification			

Storage Cool & dry place.Do not freeze.Keep away from strong light and heat.

Shelf Life 36 months under the conditions above and in its original packaging.

Package In double sealed PP bags, 10/25kgs Drum.

Tested by: Mr Chen Date: 2020-12-15