

# Hangzhou Huarong Pharm Co., Limited

No. 5 Yongfuqiao Road, Gongshu District, Hangzhou, Zhejiang Province, China.

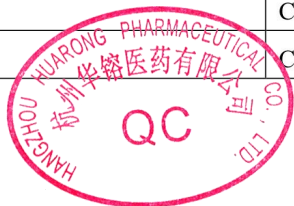
TEL: 0086-571-86758373

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## CERTIFICATE OF ANALYSIS

<b>Description</b>	Betulinic acid 98%min by HPLC	<b>CAS</b>	472-15-1
<b>MF</b>	C <sub>30</sub> H <sub>48</sub> O <sub>3</sub>	<b>MW</b>	456.7003 g/mol
<b>Botanical name</b>	Betula platyphylla	<b>Used Part</b>	Bark
<b>Solvent used</b>	Water&Methanol	<b>Batch No.</b>	0200056-240101C
<b>Mfg date</b>	Jan.15, 2024	<b>Quantity</b>	1 kg
<b>Shelf life</b>	2 years	<b>Country of origin</b>	China

ITEMS	SPECIFICATIONS	RESULTS	METHODS
<b>Physical &amp; Chemical Analysis</b>			
<b>Appearance</b>	Fine powder	Conform	Visual
<b>Color</b>	White	Conform	Visual
<b>Odor</b>	Characteristic	Conform	Organoleptic
<b>Taste</b>	Characteristic	Conform	Organoleptic
<b>Mesh size/Sieve</b>	NLT95% pass 80 mesh	Conform	80 mesh
<b>Bulk density</b>	NMT0.8g/ml	Conform	USP<616>
<b>Loss on Drying</b>	≤5.0%	0.54%	USP <731>
<b>Residue on Ignition</b>	≤2.0%	0.08%	USP <281>
<b>Identification</b>			
<b>Identifiable active ingredient</b>	Complies with standards	Conform	TLC
<b>Assay</b>			
<b>Betulinic acid</b>	Nlt 98.0%	98.39%	HPLC
<b>Residues</b>			
<b>Pesticide Residues</b>	USP<561>	Conform	Third lab
<b>Solvent Residues</b>	USP<467>	Conform	GC
<b>Heavy metals</b>			
<b>Heavy Metals</b>	≤10ppm	Conform	ICP-MS
<b>Lead</b>	≤2ppm	Conform	ICP-MS
<b>Arsenic</b>	≤1ppm	Conform	ICP-MS





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<b>Mercury</b>	≤0.1ppm	Conform	ICP-MS
<b>Cadmium</b>	≤1ppm	Conform	ICP-MS
<b>Microbiological</b>			
<b>Total Plate Count</b>	<1000cfu/g	Conform	USP <2021>
<b>Yeast&amp; Mold</b>	<100cfu/g	Conform	USP <2021>
<b>E.Coli</b>	Negative	Conform	USP <2022>
<b>Salmonella</b>	Negative	Conform	USP <2022>
<b>Staphylococcus</b>	Negative	Conform	USP <2022>
<b>Conclusion</b>	<b>The product conforms with specifications.</b>		

**Storage:** Store in a cool & dry place, keep away from strong light and heat

**Stability:** 24 months when properly stored

