



Unilong Industry Co., Ltd

Add: No.8 Bldg Shuntai, No.2000 Shunhua Rd, High-Tech Zone, Jinan City, Shandong Province, China
Contact: +86-18053149984 Website: www.unilongindustry.com

CERTIFICATE OF ANALYSIS

Product Name	Betulinic acid 98%min by HPLC	Batch No.	JL20230418
CAS	472-15-1	MF Date	18, APR.2023
Packing	15kg/Drum or as requested	Analysis Date	18, APR.2023
Quantity	15KG	Expiry Date	17, APR.2025
Analysis Item	Specification	Result	
Physical & Chemical Analysis			
Appearance	Fine powder	Conform	
Color	White	Conform	
Odor	Characteristic	Conform	
Mesh size/Sieve	NLT95% pass 80 mesh	Conform	
Bulk density	NMT0.8gm/ml	Conform	
Loss on Drying	$\leq 5.0\%$	1.61%	
Residue on Ignition	$\leq 2.0\%$	0.34%	
Purity	$\geq 98.0\%$	98.25%	
Heavy metals			
Heavy Metals	$\leq 10\text{ppm}$	Conform	
Lead	$\leq 2\text{ppm}$	Conform	
Arsenic	$\leq 1\text{ppm}$	Conform	
Mercury	$\leq 0.1\text{ppm}$	Conform	
Cadmium	$\leq 1\text{ppm}$	Conform	
Microbiological			
Total Plate Count	$<1000\text{cfu/g}$	Conform	
Yeast& Mold	$<100\text{cfu/g}$	Conform	
E.Coli	Negative	Conform	



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Salmonella	Negative	Conform
Staphylococcus	Negative	Conform
Conclusion	Qualified	

Analyst: *Wen Qian*

Quality Assurance Officer: *Zhan Peng*

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