

**CERTIFICATE OF ANALYSIS**

Product Name	alpha-arbutin	Cas No	84380-01-8
Production batch	JL20231115	Production Date	20231115
Production quantity	300kgs	Report date	20231116
Test items	Detection Indicator	Test data	
Appearance	White crystals or crystalline powder	White crystals powder	
Loss on drying	<0.5%	0.1%	
pH	5.0~ 7.0	6.50	
Residue on ignition	<0.5%	0.03%	
Specific rotation	+174.0°~ +186.0°	+179.40°	
Melting point	202.0 °C ~ 212.0 °C	204.5 °C~ 205.5°C	
Transmittance	≥95.0%	98.4%	
As	≤2ppm	<2 ppm	
Pb	≤10 ppm	<10 ppm	
Assay	≥99.5%	100.0%	
Hydroquinone	Negative	Negative	
Conclusion	Qualified		

**Analyst:** *Wen Qian***Quality Assurance Officer:** *Zhan Peng*