



Shaanxi New Things Biotech Co.,Ltd

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CERTIFICATE OF ANALYSIS

Product Name:	α -Arbutin	Batch No.:	NT20251222
Quantity:	500KG	Specification:	Company Standard
Manufacture Date:	2025-12-22	Expiry Date:	2027-12-21
Item	Specification	Analytical Result	
Assay	$\geq 99.5\%$	99.5%	
Character	White fine powder or crystals	Conforms	
Melting Point	202-206 (± 0.5) °C	203.0-205.0 °C	
Specific Optical Rotation	$[\alpha]_{D20} = +174.0^{\circ} - +186.0^{\circ}$	+180.5°	
Solubility	Soluble in water, alcohol	Conforms	
Transparency in water	Transparent colorless no suspended	Conforms	
PH (1% water solution)	5.0-7.0	5.92	
Loss on drying	≤ 0.5	0.11	
Sulfated ash %	≤ 0.5	0.18	
Heavy metals	$\leq 10\text{ppm}$	Conforms	
Arsenic	$< 1\text{ppm}$	Conforms	
Plumbum	$< 2\text{ppm}$	Conforms	
Total Plate count	$< 300\text{cfu/g}$	22	
Yeast & mold	$< 100\text{cfu/g}$	9	
Escherichia coli	Negative	Conforms	
Staphylococcus aureus	Negative	Conforms	
Hydroquinone	Negative	Negative	
Conclusion	This sample meets the specifications.		

QA: Peng Peng

QC: Guo Shan

