



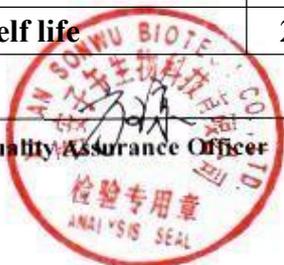
Certificate of Analysis

| | | | |
|-----------------------|----------------|-------------------------|-------------|
| Product Name | Arbutin Powder | Manufacture Date | Jan.30.2023 |
| Batch Number | SW230130 | Analysis Date | Jan.31.2023 |
| Batch Quantity | 350kg | Expiry Date | Jan.30.2025 |

| ANALYSIS | SPECIFICATION | RESULT |
|----------------------------------|--|----------|
| Appearance | White crystalline powder | Complies |
| Assay | ≥99.0% | 99.5% |
| Melting Point | 203~206±1°C | 204.6°C |
| Clarity of Water Solution | Transparency, colorless,none suspended matters | Complies |
| PH Value | 5.0~8.0 | 6.1 |
| Specific Optical Rotation | 【α】 _{D²⁰} =-66±2° | -64.8° |
| Infrared Peak Value | 1515cm ⁻¹ 1220cm ⁻¹ 1050cm ⁻¹ ± (5~8) cm ⁻¹ | Complies |
| Arsenic | ≤2 ppm | 0.08ppm |
| Hydroquinone | ≤20 ppm | 1.96ppm |
| Heavy Metal | ≤20 ppm | Complies |
| Loss on Drying | ≤0.5% | 0.28% |
| Bacteria Count | Bacteria: ≤300cfu/g | <20 |
| | Fungus: ≤100cfu/g | <20 |
| Conclusion | This product conforms to international standards | |

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|----------------------------|---|
| Packing description | Sealed export grade drum & double of sealed plastic bag |
| Storage | Store in a cool and dry place, stay away from strong light and heat |
| Shelf life | 2 years when properly stored |

Quality Assurance Officer



Corrector

Analyst