

Room1601,Tower1, Building25,Gaoke Garden,Gaoxin 5thRd,High-tech Zone Xi’an,China
Tel:+86 29 88447187 Fax:+86 29 88447187

E-mail:alex@xabiof.com Tel: 029-88447187  Fax:029-88447187

 **CERTIFICATE OF ANALYSIS**

|  |
| --- |
| **Product And Batch Information** |
| Product Name:Alpha Arbutin | CAS No:8430-01-8 |
| Batch No:BIOF20220719 | Quality:120kg | Grade :Cosmetic Grade |
| Manufacture Date:June.12.2022 | Analysis Date :Jane.14.2022 | Expiration Date :Jane .11.2022 |
| **Analysis** | **Specification** | **Result** |
| **Physical Description** |
| Appearance | White crystals or crystaline Powder | White Crystal Powder |
| Ph | 5.0-7.0 | 6.52 |
| Optical Ratation | +175°~+185° | +179.1° |
| Transparency in water | Transmittance 95%Min at 430nm | 99.4% |
| Melting Point | 202.0℃~210℃ | 204.6℃~206.3℃ |
| **Chemical Tests** |
| Identification-infared Spectrum | In accordance with spectrum of standrad alpha-arbutin | In accordance with spectrum of standrad alpha-arbutin |
| Assay(HPLC) | 99.5%Min | 99.9% |
| Residual on ignition | 0.5%Max | ＜0.5% |
| Loss on drying | 0.5%Max | 0.08% |
| Hydroquinone | 10.0ppm Max | ＜10.0ppm |
| Heavy Metals  | 10.0ppm Max | ＜10.0ppm |
| Arsenic | 2.0ppm Max | ＜2.0ppm |
| **Microbiology Control** |
| Total bacteria | 1000cfu/g Max | <1000cfu/g  |
| Yeast & Mold: | 100cfu/g Max | <100cfu/g  |
| Salmonella: | Negative | Negative |
| Escherichia coli | Negative | Negative |
| Staphylococcus aureus | Negative | Negative |
| Pseudomonas agruginosa | Negative | Negative |
| Packing and Storage |
| Packing:Pack in Paper-Carton and two plastic-bags inside |
| Shelf Life :2 year when properly stored |
| Storage:Store in well-closed place with constant low temperature and no direct sun light |

**Inspection personnel：Yan Li Review personnel：Lifen Zhang Authorized personnel：LeiLiu**