公司唛头

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**CERTIFICATE OF ANALYSIS**

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| **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**