



# Xi'an Quanao Biotech Co., Ltd.

B-1604 JunCheng Guo Ji, TaiYuan Road, WeiYang District, Xi'an China

Tel:+86 29 86719484

Fax:+86 29 86719484

## Certificate of Analysis

|                          |   |               |             |
|--------------------------|---|---------------|-------------|
| Product Name             | Sildenafil  |               |             |
| CAS.No                   | 139755-83-2   | Outer Packing | 25kg / drum |
| Production Date          | 2021-04-22  | Batch No.     | QY20210422  |
| Expiry Date              | 2023-04-21  | Report Date   | 2021-04-22  |
| Original                 |   |               |             |
| ITEMS                    | SPECIFICATIONS  |               | RESULTS     |
| Appearance               | White powder  |               | Complies    |
| Odor & Tasted            | Characteristic  |               | Complies    |
| Identification           | Infrared Absorption   |               | Complies    |
| Solubility               | Insoluble in water or alcohol, soluble in Acetic acid, ethyl ester    |               | Complies    |
| Specific rotation        | +78.0° ~+84.0°  |               | +80.4°      |
| Citrate                  | Positive  |               | Complies    |
| IR                       | IR should comply with the reference standard spectrum                 |               | Complies    |
| Assay(Dry basis %)       | ≥ 98 HPLC   |               | 99.66       |
| PH                       | 3.0-6.0   |               | 5.65        |
| Residue on ignition(%)   | ≤0.1  |               | 0.05        |
| Loss on Drying(%)        | ≤0.5  |               | 0.08        |
| Heavy Metals             |   |               |             |
| Heavy Metal ( ppm )      | ≤10   |               | Complies    |
| Pb(ppm)                  | ≤1.0  |               | Complies    |
| As(ppm)                  | ≤1.0  |               | Complies    |
| Hg(ppm)                  | ≤0.1  |               | Complies    |
| Cd(ppm)                  | ≤1.0  |               | Complies    |
| Microbiological Tests    |   |               |             |
| Total Plate Count(cfu/g) | ≤ 100   |               | Complies    |
| Yeasts and Moulds(cfu/g) | ≤ 10  |               | Complies    |
| E.coli ( cfu/g )         | Negative  |               | Complies    |
| Salmonella               | Negative  |               | Complies    |
| Pathogen                 | Negative  |               | Complies    |
| Staphylococcus           | Negative  |               | Complies    |
| Conclusion               | Conform to the standard.  |               |             |
| Packing                  | 25kg/drum   |               |             |
| Storage and Handling     | Store in a cool and dry place, keep away from direct strong and heat. |               |             |
| Shelf life               | Two years if sealed and store away from direct sun light.             |               |             |

QC: Li Ting

QA: Tian Wen

