



LUWEI PHARMACEUTICAL GROUP CO.,LTD.  
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| CERTIFICATE OF ANALYSIS          |                               |             |            |
|----------------------------------|-------------------------------|-------------|------------|
| Date of certificate:JUNE.30,2025 |                               |             |            |
| Product Name                     | ASCORBIC ACID                 | Batch No.   |            |
| Analysis Standard                | BP2020/USP43/E300/EP9.8/FCC11 | Quantity    | 18000KGS   |
| Manufacture Date                 | MAY.2025                      | Expiry Date | APRIL.2029 |
| SERIAL NO OF COA                 | LWPC-3C1-25-05-109            |             |            |

| Analysis Contents                 | Analysis Standard                                                        | Analysis Results |
|-----------------------------------|--------------------------------------------------------------------------|------------------|
| Characteristics                   | White or almost White crystals Crystalline Powder                        | Pass             |
| Identification                    | Positive Reaction                                                        | Positive         |
| Melting Point                     | About 190℃                                                               | 191.10℃          |
| PH(with 2% water solution)        | 2.4-2.8                                                                  | 2.54             |
| PH(with 5% water solution)        | 2.1-2.6                                                                  | 2.35             |
| Clarity Of Solution               | Clear                                                                    | Clear            |
| Colour Of Solution                | ≤BY <sub>7</sub>                                                         | <BY <sub>7</sub> |
| Copper                            | ≤5ppm                                                                    | <5ppm            |
| Heavy Metals                      | ≤10ppm                                                                   | <10ppm           |
| Mercury                           | ≤0.1ppm                                                                  | <0.1ppm          |
| Lead                              | ≤2ppm                                                                    | <2ppm            |
| Arsenic                           | ≤3ppm                                                                    | <3ppm            |
| Oxalic Acid                       | ≤0.2%                                                                    | <0.2%            |
| Cadmium                           | ≤1ppm                                                                    | <1ppm            |
| Iron                              | ≤2ppm                                                                    | <2ppm            |
| Loss of Drying                    | ≤0.4%                                                                    | <0.4%            |
| Sulphate Ash(Residue On Ignition) | ≤0.1%                                                                    | <0.1%            |
| Specific Optical Rotation         | +20.5° - +21.5°                                                          | +20.88°          |
| Residual Solvents                 | Pass                                                                     | Pass             |
| Assay                             | 99.0%-100.5%                                                             | 99.66%           |
| Conclusion                        | The Above-Mentioned Product Conforms To<br>BP2020/USP43/E300/EP9.8/FCC11 |                  |

Approved by: Jia jinfeng

Rechecker:Zhang Yinyin Tester:Cao Panpan

