

CERTIFICATE OF ANALYSIS

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|----------------------|--|--------------------|---------------|
| Product name | 3-oxo-4-aza-5alpha-androstane-17beta-carboxylic acid | | |
| Batch No. | M3S-200201 | Quantity | 95.0kg |
| Mfg. Date | Feb.,19, 2020 | Expiry date | Feb.,18, 2023 |
| Specification | Enterprise standard | | |

| Items | Standard | Results |
|---|----------------------------|------------------|
| Description | White or off-white powder | off-white powder |
| Identification(HPLC) | complies with the standard | complies |
| Loss on drying | not more than 1.0% | 0.04% |
| Water | not more than 1.0% | 0.04% |
| Specific rotation(25 °C on anhydrous basis, DMSO) | +50° ~ +65° | +64.6° |
| Related substances(HPLC) | | |
| --RP-35 isomer | not more than 1.0% | 0.31% |
| --RP-35 ester (M3) | not more than 0.10% | n.d |
| --Other unknown impurities | not more than 0.5% | 0.14% |
| --Total impurities | not more than 1.5% | 0.42% |
| --purity | not less than 98.5% | 99.6% |
| Assay(HPLC,basis on drying) | 97.0~101.0% | 100.5% |
| Pd | not more than 10ppm | 3ppm |
| Conclusion: The test product complies with the requirements of enterprise Standard | | |