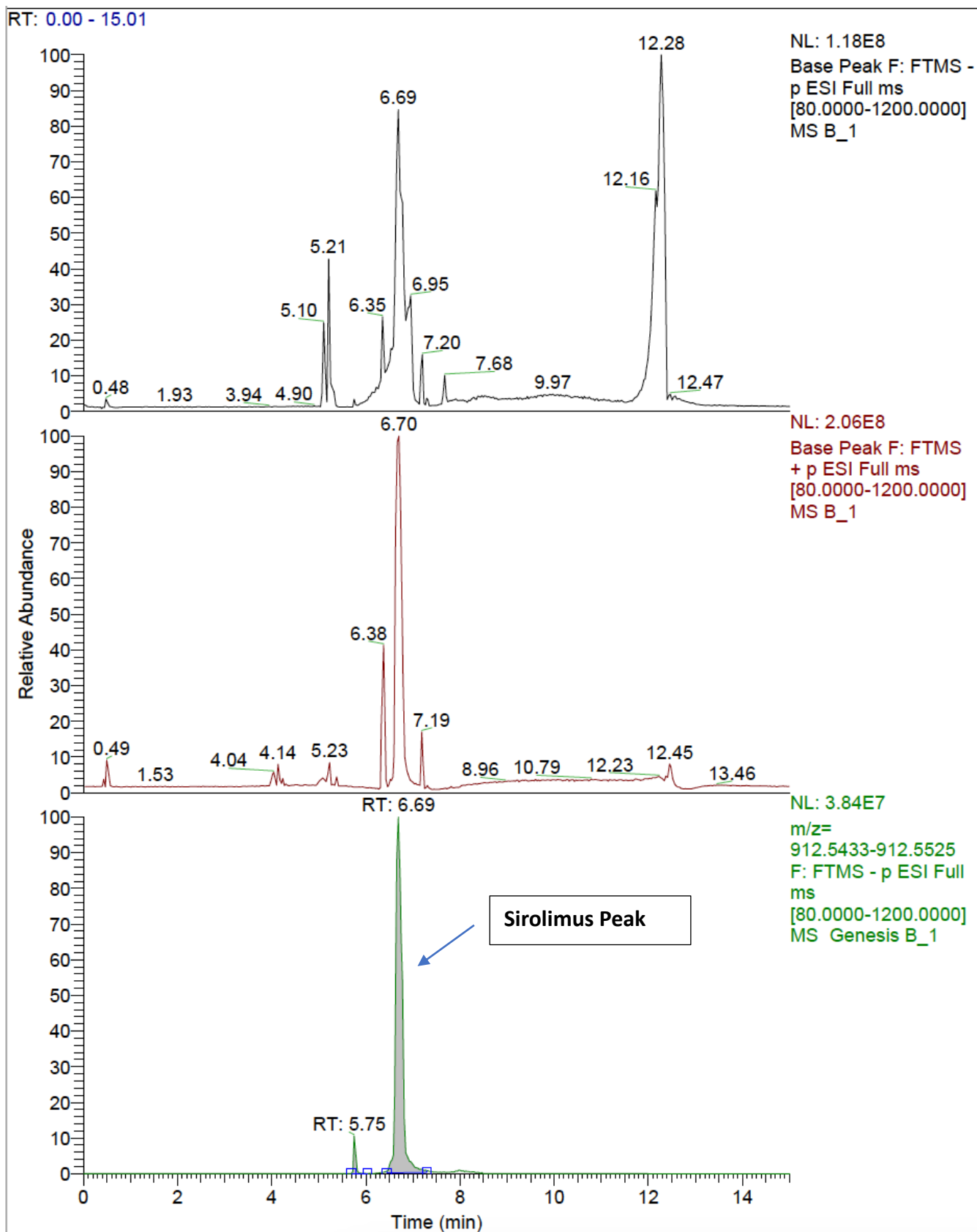


MASS SPECTROPHOMETRY

APR 25, 22

SIROLIMUS – WUHAN HENGDA PHARM CO LTD

BATCH: HHD20210514



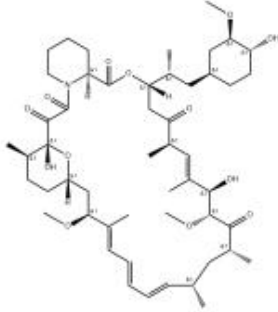


Wuhan HengHeDa Pharm Co., Ltd

Tel:86-27-84888681 Fax:86-27-84888682

Wuhan Economic& Technological Development Zone, Wuhan, China

CERTIFICATE OF ANALYSIS

| | | |
|-------------------|-------------|--|
| Product name | Sirolimus |  |
| CAS NO | 53123-88-9 | |
| Molecular formula | C33H31NO2 | |
| Molecular weight | 473.6 | |
| Quantity | 5kg | |
| Batch NO | HHD20210514 | |
| Production date | 2021.05.14 | |
| Expiry Date | 2023.05.13 | |

Test based on enterprise standard

| Test Item | Specification | Result |
|----------------------------------|--|----------|
| Appearance | White or off-white powder | Conforms |
| Identification | IR:Sample spectrum corresponds to that of Standard spectrum. | Conforms |
| Water | ≤0.5% | 0.3% |
| Heavy metals | ≤20ppm | Conforms |
| Related substance | ≤0.2% | 0.10% |
| Cis-Stereoisomer of Rapamycin | ≤5.0% | 1.6% |
| Single Max.Unknown impurity | ≤1.0% | 0.34% |
| Any other total impurity | ≤2.0% | 1.54% |
| Purity(include Cis-Stereoisomer) | ≥98.0% | 98.5% |

| | |
|--|--|
| Storage | Store in cool & dry place, keep away from strong light and heat. |
| Shelf life | 2 years when properly stored. |
| Conclusion: This product complies with above specification | |

Inspector
Shen Wu

Director
King Yang

