



## XI'AN JULONG BIO-TECH CO.,LTD

Address:FULI BAILU BAY ,BAQIAO DISTRICT ,XI'AN,SHAANXI  
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### Certificate of Analysis--Nisin

|                          |                   |               |               |
|--------------------------|-------------------|---------------|---------------|
| Product Name             | Nisin             | Batch No      | JL-20210308   |
| Quantity                 | 10Kg              | Analysis Date | Mar,09th,2021 |
| Mfg. Date                | Mar,08th,2021     | Exp. Date     | Mar,07th,2023 |
| Package                  | 25KG per drum     | Standard      | GMP/USP/EP    |
| Item                     | Specification     | Result        |               |
| Appearance               | White powder      | Complies      |               |
| Related substance (HPLC) | 98%min            | 99.8%         |               |
| Odor                     | Characteristic    | Complies      |               |
| Assay                    | 98%               | 98.22%        |               |
| Sieve analysis           | 100% pass 80 mesh | Complies      |               |
| Heavy Metal              | <10ppm            | Complies      |               |
| As                       | <0.1ppm           | 0.05ppm       |               |
| Pb                       | <0.1ppm           | 0.05ppm       |               |
| Cd                       | <0.1ppm           | 0.05ppm       |               |
| Residual Solvents        | <100ppm           | Complies      |               |
| Residual Pesticide       | Negative          | Complies      |               |
| Total Plate Count        | <1000cfu/g        | Complies      |               |
| Yeast & Mold             | <100cfu/g         | Complies      |               |
| E.Coli                   | Negative          | Complies      |               |
| Salmonella               | Negative          | Complies      |               |

QC MANAGER: 董卓

INSPECTOR: 张赞

ANALYST: 王胜利

