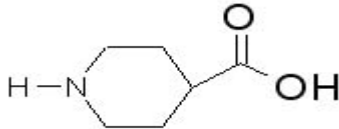


HAIQIANG CHEMICALS CO., LTD

CERTIFICATE OF ANALYSIS

NO: HQC011001292

| | |
|--------------------|---|
| Product name | Isonipecotic acid |
| CAS Number | 498-94-2 |
| Molecule Structure |  |
| Molecule Formula | C ₆ H ₁₁ NO ₂ |
| Batch number | 20091101 |
| Manuf. Date: | 2009-11-22 |
| Shelf Life | 3 years |
| Testing Date: | 2009-11-23 |

| Items | Standard | Result |
|-----------------|--------------------------|--------------------------|
| Appearance | White crystalline powder | White crystalline powder |
| Assay | 98%%-102% | 99.3% |
| Inspection | IR,NMR | Complies |
| Melting point | 300°C min | Complies |
| Loss on drying | 1.0% max | 0.2% |
| Burning residue | 1.0% max | 0.5% |

HAIQIANG CHEMICALS CO.LTD
QUALITY CONTROL:
QUALITY CONTROL DEP.

CHECK:姚仙娟

INSPECTOR: 刘清风