

CEFA-CILINAS BIOTICS PVT LTD

PLOT NO. W-8, CHIKALTHANA MIDC, AURANGABAD -431001, MH INDIA.

01.10.2021

CERTIFICATE OF ANALYSIS

| | | | |
|---------------------|----------------------|------------|----------|
| Product Name | 4-Chlorobenzonitrile | | |
| CAS No. | 623-03-0 | HS Code | 29269000 |
| Mfg Date | Sep 2021 | Exp Date | Sep 2024 |
| Packing | 50 kgs, 250 kgs Drum | Batch Size | 2500 kgs |

| Sr No | Item | Specifications | Results |
|-------|--------------------------------|-----------------------------|-----------------------------|
| 1 | Physical State | Solid Compound | Solid Compound |
| 2 | Colour | White to Off-white compound | White to Off-white compound |
| 3 | Purity by HPLC | NLT 99.00% | 99.12% |
| 4 | Melting Point | 90 - 93°C | 90 - 91°C |
| 5 | Metal Content | NMT 20 ppm | 7 ppm |
| 6 | Moisture Content | NMT 0.5% | 0.20% |
| 7 | Possible Impurities (%) | | |
| A | 4- Chloro benzyl alcohol | NMT 0.1% | 0.03% |
| B | 4-Chlorobenzamide | NMT 0.1% | 0.07% |
| C | 4-Chloro benzoic Acid | NMT 0.1% | 0.06% |



Shirish

Mr Sharad R Ahire
Dept of Quality Control (QC)