

## Certificate of Analysis

**Product Name:** D-(+)-chiro-inositol

**Mfg. Date:** 2022.03.15

**Batch No.:** KN220315

**Test Date:** 2022.03.16

**CAS No.:** 643-12-9

**Exp. Date:** 2024.03.14

| Items                                             | Specifications                                    | Results                  |
|---------------------------------------------------|---------------------------------------------------|--------------------------|
| Appearance                                        | White to off-white crystals or crystalline powder | White crystalline powder |
| Solubility                                        | Soluble in water                                  | Complies                 |
| Loss on drying                                    | ≤0.5%                                             | 0.01%                    |
| Ash                                               | ≤0.5%                                             | 0.10%                    |
| Heavy Metals                                      | ≤10ppm                                            | <10ppm                   |
| Purity (HPLC-ELSD)                                | ≥98.0%                                            | 99.54%                   |
| Optical activity $[\alpha]_D^{20^\circ \text{C}}$ | +63-67° , c=1.0 in H <sub>2</sub> O               | +64.5                    |
| Melting point                                     | 230° C                                            | Complies                 |
| Assay (HPLC-ELSD, %)                              | ≥99.0%                                            | 99.8%                    |
| Other sugars (HPLC-ELSD)                          | ≤1.0%                                             | 0                        |
| Conclusion                                        | The product complies with Enterprise Standard.    |                          |

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Issued by: Wang Jie

