



**Technical Data Sheet**

**Alpha-Liponsäure (ALA) 99%**  
**Alpha Lipoic Acid (ALA) 99%**

**PRODUCT INFORMATION**

|                  |                   |        |           |
|------------------|-------------------|--------|-----------|
| Latin name       | Alpha Lipoic Acid | Source | Synthetic |
| Testing Standard | USP36             |        |           |
| Origin           | China             |        |           |
| Carrier          | None              |        |           |

| ITEM                | SPECIFICATION                |
|---------------------|------------------------------|
| Assay               | 99.0~101.0% (HPLC)           |
| Appearance*         | Slight Yellow Crystal Powder |
| Identification      | Meets the Requirements       |
| Melting Point, °C   | 60~62                        |
| Specific Rotation   | (-)-1.0 ° ~ +1.0°            |
| Loss on Drying      | ≤0.2%                        |
| Ash                 | ≤0.5%                        |
| Residue on Ignition | ≤0.1%                        |
| Single impurity     | ≤0.1%                        |
| Polymer Content     | ≤2%                          |
| Cyclohexane         | ≤5 mg/kg                     |
| Ethyl acetate       | ≤5 mg/kg                     |
| Toluene             | ≤10 mg/kg                    |

\*The color may vary

**STATEMENTS**

|                         |  |
|-------------------------|--|
| Food Quality and Safety | Only for food supplements  |
| Contaminants            | According to Reg. (EC) 1881/2006 and amendments  |
| Preservative            | Preservative Free  |
| Residual Solvents       | According to Dir. (EC) 2009/32 and amendments  |
| Pesticides              | According to Reg. (EC) 396/2005 and amendments   |
| Microbiology            | Bacterial Count: TAMC-Bacteria: <1,000 cfu/g, TYMC: <100 cfu/g, Salmonella: negative, E. Coli: negative, S. Aureus: negative |
| GMO                     | GMO Free According to Reg. (EC) 1829/2003 and 1830/2003 and amendments   |
| ETO                     | ETO free   |
| Vegan                   | Conform  |
| Sterilization Method    | High Temperature and Pressure  |
| Irradiation             | No ionization or other radiation is permitted According to Reg. (EC) 1999/2 and 1999/3 and amendments                        |
| BSE/TSE                 | Risk Free BSE/TSE  |
| Allergen free           | According to Reg. (EC) 1169/2011   |
| Nanomaterials           | Absent According to Reg. (EC) 1169/2011  |
| Titanium dioxide        | Absent According to Reg. (EC) 2022/63  |
| Packaging               | According to Reg. (EC) 1935/2004 and 10/2011 and amendments  |

**STORAGE AND HANDLING**

|            |   |
|------------|---|
| Storage    | Store in a well-closed container away from moisture and direct sunlight |
| Shelf Life | 2 years if sealed and properly stored                                   |

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