

**CERTIFICATE OF ANALYSIS**

**Product Name:** Alpha lipoic acid  
**Batch Number:** 220309  
**Samples Quantity:** 200g

**Manufacture Date:** Mar.10,2022  
**Analysis Date:** Mar.11,2022  
**Certificate Date:** Mar.12,2022

**ANALYSIS**

Appearance  
Odor&taste  
Identification

Assay

Solubility

Specific rotation(0.05g/ml)

Melting Range

Individual Impurity

Total Impurity

Residue on Ignition

Loss on drying

Heavy Metal

**SPECIFICATION**

Yellow crystalline powder

Characteristic

HPLC

IR

≥99.0%

Very slightly soluble in water, very soluble in dimethylformamide, freely soluble in methanol

-1.0°~+1.0°

60.0~62.0°C

≤0.1%

≤2.0%

≤0.1%

≤0.2%

≤10ppm

**RESULTS**

Complies

Complies

Complies

Complies

99.0%

Complies

+0.2°

61.0°C

Complies

Complies

0.064%

0.10%

Complies

**Microbiology**

Total Plate Count

Yeast & Mold

Staphylococcus aureus

E.Coli

Salmonella

<1000cfu/g

<100cfu/g

Negative

Negative

Negative

126cfu/g

34cfu/g

Negative

Complies

Complies

**Conclusion**

Conform with specification

**Storage**

Store in sealed containers at cool & dry place.

**Shelf life**

2 years when properly stored

