

## **CERTIFICATE OF ANALYSIS**

**PRODUCT:** DL Malic Acid Powder

**CODE:**

**BATCH NUMBER:** 2205068

**BATCH SIZE:** 1 X 25 Kg = 25 Kg

**DATE OF MANUFACTURE:** 24/05/2022

**BEST BEFORE DATE:** **23/05/2024**

**CUSTOMER PO:** 20231208PO16

### **Analytical Data:**

<b>ITEM</b>	<b>Standard</b>	<b>Actual Data</b>
Assay	99.0 – 100.5 %	99.3%
Specific Rotation	-0.1 - +0.1	0
Melting Range	127 – 132 °C	129 °C
Water Insolubles	0.1% Max	0.006%
Sulfated Ash	0.1% Max	0.06%
Fumaric Acid	1.0% Max	0.58%
Maleic Acid	0.05% Max	0.01%
Heavy Metals	10 ppm Max	<10 ppm
Arsenic	2 ppm Max	<2 ppm
Lead	2 ppm Max	<2 ppm
Mercury	1 ppm Max	<1 ppm
Conclusion	Qualified	

**This document certifies that the quality of this product conforms to our Product Specification.**

**Certified By:** (Technical Manager)

**Date:** 11/12/2023

Document is electronically generated so no signature is required.

This Certificate of Analysis does not relieve the purchaser from undertaking their own test in order to ensure the suitability of this product for its application and to comply with all relevant legal requirements for any goods into which this product is incorporated.