

Date: 01 January 2016

To Whom So Ever It May Concern

Ethylene oxide is not used at any stage of processing and packing of
DL **Malic** Acid manufactured by Thirumalai Chemicals Limited.



Signature:

Name: B.K. Bama

Designation: Head - Quality Assurance

Company seal



Date: 01 January 2016

To Whom So Ever It May Concern

Irradiation Certificate

DL-Malic Acid manufactured by Thirumalai Chemicals and any of the raw materials used in the manufacture of DL-Malic Acid are not irradiated by any **ionising radiation** at any stage of processing and packing



Signature:

Name: B.K. Bama

Designation: Head - Quality Assurance

Company seal



Date: 01- January -2016

Statement:

Specifications of food additives according to the Regulation 231/2012

We [Thirumalai Chemicals Limited, 25-A, Sipcot Industrial Complex, Ranipet-632 403, Tamil Nadu, and India](#) hereby confirm that our product, as a food additive [DL-Malic Acid E 296](#) complies with the purity profile of the Regulation (EU) 231/2012.

We attach the specification of the product.



Signature:

Name: B.K. Bama

Designation: Head - Quality Assurance

Company seal:




Date: 01 January 2016

DECLARATION-SOURCE OF FOOD ADDITIVE

This is to certify that DL-Malic Acid Manufactured by Thirumalai Chemicals Limited is a Food Acid, which conforms to the specifications of FCC-9, E 296 and to all the other requirements to use as an Acidity regulator in foods.

Food Additive	E Number	Source of Food Additive (eg. Plant /Chemical)
DL Malic Acid	E296	Purely Synthetic Product

Signature : 
Name : B.K. Bama
Designation and department : Head - Quality Assurance



Date: 22- December - 2016

TO WHOM SO EVER IT MAY CONCERN

NGP Statement

“All raw materials, additives, preservatives, carriers and /or processing aids used in the production of DL Malic Acid are 100 % derived from inorganic sources.”



Signature:

Name: B.K. Bama

Designation: Head - Quality Assurance

Company seal



Date: 01- January- 2016

Declaration

No Plant related material is either used as raw material or added at any stage of DL Malic Acid manufacture. It is our view that the possibility for the presence of mycotoxines & residual pesticides is not possible in the final product. During the manufacture of DL Malic Acid the product is not subjected to a temperature of more than 115 Deg C at any stage. So the formation of dioxins and PCB like dioxins is not possible.

B.K. Bama

Signature:

Name: B.K. Bama

Designation: Head - Quality Assurance

Company seal:



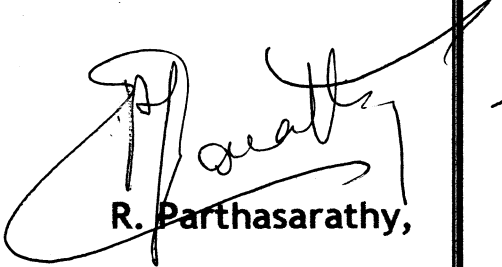


FOOD SAFETY POLICY

As a manufacturer of Food ingredients, we assure safe and high quality products through rigorous implementation of good manufacturing practices, and through training, SOP's and regular Audits.

We are committed to meet the Statutory, Regulatory and exceed the Customer's requirements on clean and safe manufacturing and delivery in all stages of Inputs, Manufacturing, Quality assurance Packaging and Delivery of products

Our policy and objectives are communicated across organisation and reviewed periodically. We strive to continuously upgrade our system through a programme of continuous improvement



R. Parthasarathy,
Managing Director.

Date of issue: 1st June 2015

Address: 25-A, Sipcot Industrial Complex, Ranipet - 632 403, India. Tel.: +91-4172 -244446



OUR HACCP POLICY

TCL, as a manufacturer of high quality food additives is committed to following all requirements for Food Safety and Hygiene.

To ensure this, the method of operation is consistently updated to confirm to all current Good Manufacturing Practices for food additives and to the expectations and needs of the customers, right from procurement of raw materials, manufacturing to packaging and delivery of products.

**R. Parthasarathy,
Managing Director.**

Date of issue: 30th April 2014

Address: 25-A, Sipcot Industrial Complex, Ranipet - 632 403, India. Tel.: +91-4172 -244446

Date: 01 January 2017

TO WHOM SO EVER IT MAY CONCERN

Residual Solvent Declaration

DL Malic Acid Manufactured by THIRUMALAI CHEMICALS LTD, does not contain any ICH class I, class II or class III solvents. No other solvent except demineralised water is used in the manufacturing process.



Signature:

Name: B.K. Bama

Designation: Head - Quality Assurance

Company Seal:



Date: 01-January -2017

To whom so ever it May Concern

DL Malic Acid Manufactured by Thirumalai Chemicals Ltd is made from Maleic acid solution as Raw material. Maleic acid which on reaction at high temperature and pressure is converted into DL Malic Acid.

The DL Malic Acid produced is synthetic in nature. In the manufacture of DL Malic Acid, Butylated Hydroxy Anisole (BHA) and Butylated Hydroxy Toluene (BHT) is/are not used as a raw material, ingredient, and preservatives or not formed as a byproduct. Hence DL Malic acid does not contain Butylated Hydroxy Anisole(BHA) and Butylated Hydroxy Toluene (BHT)



Signature:

Name: B.K. Bama

Designation: Head - Quality Assurance

Company seal:



Date: 22 May 2017

To whom so ever it May Concern

Sewage Sludge free declaration

DL- Malic acid Manufactured by Thirumalai Chemicals Ltd is made from Maleic anhydride as Raw material. Maleic anhydride is dissolved in water to form Maleic acid which on reaction at high temperature and pressure is converted into DL-Malic acid.

The DL Malic acid produced is synthetic in nature. No raw material of Plant and animal is used and hence DL Malic Acid does not contain any Sewage sludge contaminants.



Signature:

Name: B.K. Bama

Designation: Head - Quality Assurance

Company seal:

