

## ADIPIC ACID

## Technical Datasheet

**Product Information:** Adipic acid or hexanedioic acid is white crystalline powder, mainly as a precursor for the production of nylon. Adipic acid is used as food additive and has E number E355. In addition, Adipic acid is a monomer for production of polyurethane and esters of Adipic acid are used as plasticizers in PVC.

Chemical Name	ADIPIC ACID	
Grade Name	ADIPIC ACID	
CAS No.	124-04-9	
EINECS No.	204-673-3	
Molecular Formula	HOOC(CH <sub>2</sub> ) <sub>4</sub> COOH	
Synonyms	<ul style="list-style-type: none"> <li>• 1,4-BUTANEDICARBOXYLIC ACID</li> <li>• 1,6-HEXANEDIOIC ACID</li> <li>• ADIPINIC ACID</li> </ul>	
TEST	SPECIFICATION	METHOD
Appearance	White crystal powder	Visual
Purity	99.7%min	By GC
Solution Color	5 max	
Moisture	0.2% max	Oven drying (at 105 Deg C)
Ash	7 ppm max	Open Crucible
Iron	1.0 ppm max	By AAS
Melting Point	152-154°C	Melting Point Apparatus
Nitrates	10.0 ppm max	By AAS

### Product Applications:

1. Used as internal plasticizers .
2. Some other applications like dyes, textile treatment agents, fungicides.
3. Adipic acid is added to grape-flavored products, due to its lingering supplementary flavor.

### Product Benefits:

1. Adipic acid is a crystalline powder with practically no odor.
2. Adipic acid has the lowest acidity of any of the acids commonly used in foods.
3. Adipic acid has excellent buffering capacity in the range of pH 2.5 to 3.0.

### Product Handling & safety:

Please refer to our product MSDS for specific instructions on handling this product.

# Polymer Add (Thailand) Co; Ltd.

add  
polymer

**Product Registration:** Adipic acid is approved for use in food contact polymer as per the following chapter headings.

Title: 21-Food And Drugs

Chapter: I-Food And Drug Administration Department Of Health And Human Services.

Subchapter: B-Food For Human Consumption (CONTINUED)

Part: 184- Direct Food Substances Affirmed As Generally Recognized As Safe.

Subpart: B-Listing of Specific Substances Affirmed as GRAS.

Section: 184.1009 Adipic acid.

## Product Disclaimer

**Important :** This statement supersedes any Buyers documents. Seller makes no representation, Warranty, Express or Implied, Including of Merchantability of Fitness for a particular use, or purpose.

No statement herein is to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence breach of warranty, strict liability, and tort or contact rising in connection with product(s). Buyers sole remedy and Sellers sole Liability for any claims shall be buyers purchase price. Data and results are based on controlled or lab work and must be confirmed by the buyer by testing for its intended conditions of use.

This product is not been tested for, and is therefore not recommended for, use for which prolonged contact with mucous membranes, abraded skin, or blood is intended, or for use for which implantation within human body is intended.