



גדות תעשיות ביוכימיה בע"מ  
Gadot Biochemical Industries Ltd.

# Mono Sodium Fumarate

## Description:

Mono Sodium Fumarate is a white crystalline product which is an acidic sodium salt of fumaric acid.

## General Characteristics:

<b>Appearance:</b>	White crystals
<b>Odor:</b>	Practically odorless
<b>Solubility:</b>	Very soluble in water
<b>Cas Number:</b>	5873-57-4
<b>EINECS No.:</b>	227-535-4

## Standard Specifications:

### Identification

Identification	Passes test
Loss on drying (2 hrs. at 105°C)	0.5
Assay (dry basis)	98-102%
Heavy metals (as Pb)	10 ppm max.
Arsenic (as As)	2 ppm max.
pH (1% solution)	3.0 – 4.0
Compressibility (V10-V500 taps)	20 ml min.
Residue on ingestion	50.5-52.5%
Maleic acid	0.1% max.



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### Nutritional Values:

<u>Nutrient</u>		<u>Nutrient quantity</u>
Protein (dairy derived)	-	None
Carbohydrates	-	None
Fat	-	None
Vitamin A	-	None
Vitamin C	-	None
Thiamin	-	None
Riboflavin	-	None
Niacin	-	None
Calcium	-	30 mg/1 kg max.
Iron	-	10 mg/1 kg max.
Vitamin D	-	None
Vitamin B-6	-	None
Vitamin B-12	-	None
Phosphorus	-	None
Magnesium	-	1 mg./1000 gr. max.
Zinc	-	None
Pantotenic Acid	-	None
Sodium	-	16.7%
Potassium	-	200 mg./1000 gr. max.
Artificial colors	-	product does not contain artificial color
Caloric value	-	216.7 Kcal/100 gr.

### Allergens:

Gadot's Mono Sodium Fumarate doesn't contain any food allergens according to annex 3a of EU directive 2003/89.

### Other requirements:

No foreign bodies present in the product.

### BSE/TSE

No raw materials from bovine origin are used nor are any bovine constituents present in the product.

### Hormones and Antibiotics

No antibiotics or hormones are present in the product.



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### **Mycotoxines:**

Total Aflatoxines	- less than 4	ppb
Aflatoxins B1	- less than 2	ppb
Aflatoxins M1	- less than 0.05	ppb

### **Insecticides:**

Complies with food health regulations.

### **GMO - Status:**

The product is a non GMO product and is free from any recombinant DNA technology involvement.

### **Irradiation / Radioactivity:**

Gadot's Mono Sodium Fumarate was never subjected to any kind of ionized irradiation and contains no radioactivity not even in minor amounts.

### **Microbiological Specification:**

Total viable count	-	500 CFU/gr. max.
Yeast & Molds	-	20 CFU/gr. max.
E. Coli	-	Absent in 10 gr.
Staphylococcus Aureus	-	Absent in 10 gr.
Pseudomonas Aeruginosa	-	Absent in 10 gr.
Salmonella	-	Absent in 25 gr.
Coliforms	-	10 CFU/gr. max.
Listeria Monocytogenes	-	Absent in 25 gr.

### **Main Uses:**

- Acts as acidity regulator.
- Flavor enhancer.
- Acidulant.

### **Packaging:**

25 kg. or 50 lb. polyethylene-lined multi-wall paper bags, palletized and stretch-wrapped. Big bags and other packaging available on request.

All packaging materials used are suitable for food applications according to FDA and EU regulations.



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### Expiry Date:

Mono Sodium Fumarate has a shelf life of two years from production date. The production date is printed on the bags.

### Kosher:

Mono Sodium Fumarate produced by Gadot is strictly Kosher. Kosher certificates are available upon request.

### Vegetarians / Vegans:

Mono Sodium Fumarate produced by Gadot is suitable for consumption by vegetarians and vegans.

### ISO 9000:

Gadot is ISO-9001 : 2000 certified.

### HACCP:

Gadot Biochemical Industries Ltd. Food Safety Management System - HACCP comply with:

1. CODEX ALIMENTARIUS – Annex to CRC/RCP – 1969 Rev.3 (1997).
2. DS – 3027E: 1998
3. Health Ministry Guide for HACCP, March 2002 Edition.

### GMP:

Gadot Biochemical Industries is GMP certified.

Gadot manufacture its Mono Sodium Fumarate under strict supervision and full compliance with all GMP rules, and therefore permitted to label it's product with official GMP symbol as laid down in the public health regulations.

### Storage Recommendations:

Store in a cool and dry place.

Updated: July 21<sup>st</sup> , 2008