



גדות תעשיות ביוכימיה בע"מ
Gadot Biochemical Industries Ltd.

Gadomag+

Description:

A highly soluble and readily bioavailable citrate based magnesium supplement for food and beverage fortification. Gadomag+ is best suited for applications requiring high level of solubility.

General Characteristics:

Appearance:	White crystalline powder
Odor:	Practically odorless
Solubility:	Mostly soluble in cold water

Standard Specifications:

Identification	Meets USP tests
Assay (as Mg)	12.5% min.
Heavy metals (as Pb)	5 ppm max.
Arsenic (as As)	0.5 ppm max.
Lead	0.5 ppm max.
Cadmium	1 ppm max
Mercury	0.1 ppm max.
pH (1% solution)	4.0 – 6.0
Solubility	20% min.
Chlorides	500 ppm max.
Sulphate	0.2% max.
Calcium	1% max.
Iron	200 ppm max.

Organic Volatile Impurities

Gadomag+ contains no tridodecylamin nor any polynuclear hydrocarbons or volatile organic impurities. These compounds are not used in the manufacturing process of the above product and if tested they will comply with the required specified limits of U.S.P and E.P.

<u>Impurities</u>	<u>Limit</u>
Benzene	2 PPM
Carbon tetrachloride	4 PPM
1,2 - Dichloroethane	5 PPM
1,1 – Dichloroethene	8 PPM
Chloroform	60 PPM
1,4 - Dioxane	380 PPM
Ethylen Oxide	10 PPM
Methylen Chloride	600 PPM
Tri Chloroethylene	80 PPM



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Nutritional Values:

<u>Nutrient</u>		<u>Nutrient quantity</u>
Protein	-	None
Carbohydrates	-	None
Fat	-	None
Vitamin A	-	None
Vitamin C	-	None
Thiamin	-	None
Riboflavin	-	None
Niacin	-	None
Magnesium	-	12.5% - 13.5%
Vitamin D	-	None
Vitamin B-6	-	None
Vitamin B-12	-	None
Heavy metals	-	5 ppm max.
Lead	-	0.5 ppm max.
Fluoride	-	30 ppm max.
Caloric Value	-	215 Kcal/100 gr.
Artificial colors	-	product does not contain artificial color

Allergens:

Gadomag+ doesn't contain any food allergens according to annex 3a of EU directive 2003/89.

Other requirements:

Foreign Bodies: In compliance with the FDA/ORA compliance policy guide section 555.425.

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:

Gadomag+ 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:

- Food and beverage fortification.
- Dietary supplements.
- Plant nutrition.

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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Labeling:

Magnesium Citrate

Expiry Date:

Gadotmag+ has a shelf life of two years from production date. The production date is printed on the bags.

Kosher:

Gadomag+ produced by Gadot is strictly Kosher. Kosher certificates are available upon request.

Vegetarians / Vegans:

Gadomag+ 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 Gadomag 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: August 10th, 2010