



גדות תעשיות ביוכימיה בע"מ  
Gadot Biochemical Industries Ltd.

# Gadocal +

## Description:

Gadocal+ is a highly bioavailable citrate based calcium source for food fortification.

## General Characteristics:

<b>Appearance:</b>	White powder
<b>Taste:</b>	Tart acid taste
<b>Odor:</b>	Practically odorless
<b>Solubility:</b>	Mostly soluble in cold water
<b>E-Number:</b>	E-333

## Standard Specifications:

### Identification

Assay (as Ca)	8% min.
Loss on drying (105 C 2 hrs.)	1.0% max.
Heavy metals (as Pb)	5 ppm max.
Lead	Less than 0.2 ppm
Arsenic	1 ppm max.
Fluoride (as F)	30 ppm max.
pH (1%)	3.2 – 3.7
Insolubles	0.2% max.
Mercury	0.1 ppm max.
Cadmium	0.5 ppm max.
Solubility	Passes test

## Organic Volatile Impurities

Gadocal+ contains no tridodecylamin nor any polynuclear hydrocarbons or volatile organic impurities 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
Calcium	- 8 – 10%
Vitamin D	- None
Vitamin B-6	- None
Vitamin B-12	- None
Heavy metals	- 5 ppm max.
Lead	- 0.3 ppm max.
Caloric Value	- 187 Kcal/100 gr.
Artificial colors	- product does not contain artificial color

### Allergens:

Gadocal+ 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.

### Mycotoxines:

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



## גדות תעשיות ביוכימיה בע"מ Gadot Biochemical Industries Ltd.

### **Pesticides and Insecticides:**

Complies with United States and European food health regulations.

### **GMO - Status:**

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

### **Irradiation / Radioactivity:**

Gadocal+ 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:**

- Calcium fortification of food.
- Dietary supplements.
- Acidity regulator in food.
- Firming agent.
- Not for use in the preparation of injectable solutions.

### **Packaging:**

50 lb or 25 Kg. 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.



## גדות תעשיות ביוכימיה בע"מ Gadot Biochemical Industries Ltd.

### Labeling:

Calcium Citrate.

### Expiry Date:

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

### Kosher:

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

### Vegetarians / Vegans:

Gadocal+ produced by Gadot is suitable for consumption by vegetarians and vegans.

### ISO 9000:

Gadot is ISO-9001 : 2008 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. Health Ministry Guide for HACCP, March 2002 Edition.

### GMP:

Gadot Biochemical Industries is GMP certified.

Gadot manufacture its Gadocal+ under strict supervision and full compliance with all GMP rules, and therefore permitted to label its product with official GMP symbol as laid down in the public health regulations.

### Storage Recommendations:

Store in a cool, dry place.

Updated: December 3 , 2015