



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

# Gadocal Gold

## Description:

Gadocal Gold is a freely soluble, highly bioavailable citrate based calcium source used for food fortification.

## General Characteristics:

<b>Appearance:</b>	Fine white free flowing powder
<b>Odor:</b>	Odorless
<b>Solubility:</b>	In water - Freely soluble
<b>E-Number:</b>	E-333

## Standard Specifications:

### Identification

Arsenic  
Assay (as Ca)  
Flouride  
Heavy metals  
Lead  
Nitrite and Nitrate  
Loss on drying (70°C vacuum oven)  
Solubility  
pH 1%  
Cadmium

### Spec. Limits

Less than 1 ppm  
More than 8.0%  
Less than 30 ppm  
Less than 5 ppm  
Less than 0.2 ppm max.  
non detectible  
Less than 1.0%  
More than 15%  
3.5 – 4.5  
0.5 ppm

## Other requirements:

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



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

### Organic Volatile Impurities

Gadocal Gold 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

### Nutritional Values:

<u>Nutrient</u>	<u>Nutrient Quantity</u>
Protein	- None
Carbohydrates	- 38%
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	- 276 Kcal/100 gr.
Artificial colors	- product does not contain artificial color

### Allergens:

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



גדות תעשיות ביוכימיה בע"מ  
Gadot Biochemical Industries Ltd.

### **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

### **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 Gold 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.



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

### Main Uses:

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

### Packaging:

50 lb, 20 Kg. or 10 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.

### Labeling:

Calcium Citrate, Fructose.

### Expiry Date:

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

### Kosher:

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

### Vegetarians / Vegans:

Gadocal Gold 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.



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

### GMP:

Gadot Biochemical Industries is GMP certified.

Gadot manufacture its Gadocal Gold 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, dry place.

Keep product always in closed container.

Avoid as much as possible exposure to air (product might get colored).

Updated: December 3<sup>rd</sup>, 2015