

## PRODUCT SPECIFICATION:

### Garlic Chopped (3-5 mm)

#### Product Description

MNG Garlic Chopped is produced from freshly harvested onion cloves which have been inspected, washed, sliced, dehydrated, milled to size, metal detected, and packed to stock. The flavor & aroma of this product is typical of dehydrated onion. Appearance is light amber to light tan with occasional dark specs. This product is produced in accordance with current HACCP principles & Good Manufacturing Practices. Scientific Name: *Allium sativum*, L.

#### Ingredient Statement

**Product Name** - Dehydrated Garlic Chopped (3-5 mm)

**Item Number** - 1063

#### Physical Analysis

<b>Ingredient</b>	Garlic
<b>Quality</b>	Clean Material, Free from Pest, Sand, Foreign Matters, and any Additives
<b>Appearance</b>	Off-white to Yellow
<b>Taste</b>	Pure and pronounced, not pungent
<b>Storage conditions</b>	Dry Place
<b>Foreign Material</b>	Product is visually inspected & passed through a series of rare earth magnets & Metal detector prior to Final packing
<b>Rehydration</b>	1 Kg of product yields approx. 2.5 to 3.5 Kg of garlic when reconstituted.
<b>Country of Origin</b>	India
<b>Particle Size</b>	3-5 mm

Particle Size Method ASTA 10.0	US Std Sieve	Retained	Pass Through
	4	10% max	90% min
	8	95%	5% max



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## Chemical Analysis

Parameter	Specification	Method
MOISTURE	4.5 % MAX	ASTA 2.1
HOT WATER INSOLUBLE SOLIDS	20 % MAX	MNG 5.6
ASH	4 % MAX	ASTA 3.0
ACID INSOLUBLE ASH	0.5% MAX	ASTA 4.0
MAJOR DEFECT	1 % MAX	MNG 1.6
WATER ACTIVITY	0.5 % MAX	ASTA 6.0
BULK INDEX	680 – 850 g/l	ASTA 25.0
FOREIGN MATTER	NIL	MNG 6.2

## Microbiological

Treatment	No Treatment	ETO	Steam Sterilization OR Irradiation Treatment	Methods
Parameter	Standard	Low Bac	Extra Low Bac	
Total Plate Count cfu/g	< 200,000	< 100,000	< 10,000	AOAC 986.32
Yeast & Mold cfu/g	< 1000	< 500	< 100	AOAC 995.21
Coliforms cfu/g	< 1000	< 100	< 10	AOAC 990.11
E. coli cfu/g	< 10	< 10	< 10	AOAC 990.11
Salmonellas cfu/25g	Negative	Negative	Negative	AOAC 2000.07
Bacillus Cereus cfu/25g	Negative	Negative	Negative	AOAC 980.31
Staphylococcus Aureus cfu/25g	Negative	Negative	Negative	AOAC 2003.07

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## Mycotoxins

Parameter	Specification	Method
Aflatoxins	< 5 PPB	ASTA 24.1
Total Aflatoxins (B1, B2, G1, G2)	< 10 PPB	ASTA 24.2
Sudan	Not Detected	MNG 1.9

## Heavy Metals

Parameter	Specification	Normal	Method
Lead	Not Detected	Max 0.30 mg/kg	MNG 7.1
Arsenic	Not Detected	Max 0.10 mg/kg	MNG 7.2
Cadmium	Not Detected	Max 0.20 mg/kg	MNG 7.3
Mercury	Not Detected	Max 0.10 mg/kg	MNG 7.4
Nickel	Not Detected	Max 1.00 mg/kg	MNG 7.5
Zinc	Not Detected	Max 1.50 mg/kg	MNG 7.6

## Pesticides

### Meets EU Regulations

Pesticide Residue	Specification	Normal
Organochlorine	Not Detected	Absent
Organophosphorus	Not Detected	Absent
Organonitrogen	Not Detected	Absent
Synthetic Pyrethroids	Not Detected	Absent
Carbamates Group	Not Detected	Absent
Dithiocarbamate	Not Detected	Absent
Herbicides	Not Detected	Absent
Agrochemicals	Not Detected	Absent



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## Nutritional Composition

Calories	290	kcal / 100 g	Vitamin B6	0.0	mg / 100 g
Calories from Fat	0.0	g / 100 g	Folate, DFE	0.0	mcg / 100 g
Total Fat	0.4	g / 100 g	Folic Acid	0.0	mg / 100 g
Saturated Fat	0.2	g / 100 g	Vitamin B12	0.0	mg / 100 g
Monounsaturated Fat	0.0	g / 100 g	Biotin	0.0	mcg / 100 g
Polyunsaturated Fat	0.0	g / 100 g	Pantothenic Acid	0.0	mg / 100 g
Omega-6 polyunsaturated, grams	0.0	g / 100 g	Thiamin (Vitamin B1)	0.0	mg / 100 g
Omega-3 polyunsaturated, grams	0.0	g / 100 g	Riboflavin (Vitamin B2)	0.0	mg / 100 g
Trans Fatty Acid	0.0	g / 100 g	Calcium	135	mg / 100 g
Cholesterol	0.0	mg / 100 g	Iron	7.1	mg / 100 g
Sodium	35	mg / 100 g	Phosphorus	0.0	mg / 100 g
Potassium	1277	mg / 100 g	Iodine	0.0	mcg / 100 g
Total Carbohydrate	73.8	g / 100 g	Magnesium	0.0	mg / 100 g
Total Dietary Fiber	16.6	g / 100 g	Zinc	0.0	mg / 100 g
Insoluble Fiber	0	g / 100 g	Selenium	0.0	mcg / 100 g

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## Nutritional Composition

Soluble Fiber	0	g / 100 g	Copper	0.0	mg / 100 g
Sugars Total	2.4	g / 100 g	Manganese	0.0	mg / 100 g
Added Sugar	0.0	g / 100 g	Chromium	0.0	mcg / 100 g
Sugar Alcohol	0.0	g / 100 g	Molybdenum	0.0	mcg / 100 g
Protein	18.2	g / 100 g	Chloride	0.0	mcg / 100 g
Vitamin A IU	0.0	mg / 100 g	Water	0.0	g / 100 g
Vitamin A RAE	0.0	mg / 100 g	Fluoride	0.0	mg / 100 g
Vitamin C	0	mg / 100 g	Ash	4.7	g / 100 g
Vitamin D	0	mcg / 100 g	Sulfites	0.0	Ppm
Vitamin E	0	mg / 100 g	Sulfites	0.0	mg / 100 g
Vitamin K	0	mcg / 100 g	Niacin (Vitamin B3)	0.0	mg / 100 g

Note: Values provided are calculated from analytical data.



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### Additives & Preservatives

Parameter	Specification
Additives	Not Added
Preservatives	Not Added
Sulphites	Not Added

### Container Code & Traceability

MNG standard lot number format is a max 10-digit code which groups product for each batch or twenty-four-hour production period.

### Container Storage / Shelf Life

The estimated shelf life of this product is at least 24 months for all packaging except drums, 36 months maximum shelf life for drums. Best quality if stored below 70F (21C) and below 65% humidity. Keep cool in dry place.

### Allergen Statement

Allergens	Present in the Product	Used on the same Production Line	Used in the Plant-Warehouse
Peanuts or derivatives e.g.– pieces, protein, oil, butter, flour, and mandeloma nuts.	No	No	No
Tree Nuts - almonds, Brazil nuts, Coconut, cashews, hazelnuts, macadamia, pecans, pine nuts (pinyon, pinon), pistachios walnuts, and their derivatives e.g., nut butters and oils etc.	No	No	No
Sesame or derivatives e.g., paste and oil etc.	No	No	No
Milk or derivatives -caseinate, lactose, whey, yogurt powder	No	No	No
Eggs or derivatives e.g., egg powder, egg protein isolates etc.	No	No	No
Fish or its derivatives e.g., fish protein and extracts etc.	No	No	No
Shellfish (including crab, crayfish, lobster, prawns, and shrimp) Molluscs (including snails, clams, mussels, oysters, cockle, and scallops) or their derivatives e.g., extracts etc.	No	No	No
Soy or derivatives e.g., lecithin, oil, tofu, protein isolates excluding RBD oil	No	No	No

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Wheat or Gluten or derivatives, e.g., flour, starch, and brans. Includes varieties such as spelt, durum, kamut, gluten source from barley, oats, rye.	No	No	No
Mustard or derivatives, e.g., mustard seeds, mustard flour, ground mustard, prepared mustard etc.	No	No	No
Sulphites, e.g., Sulphur dioxide and sodium metabisulphites, intentionally added at $\geq 10$ ppm	No	No	No
Celery or derivatives e.g., celery seed, extracts	No	No	No
Hydrolyzed Vegetable Protein (identify -corn, soy, rapeseed), starches, modified starches, lecithin	No	No	No
Monosodium glutamate	No	No	No
Artificial Colors, Artificial Flavors	No	No	No
Lupin	No	No	No
Poppy Seeds	No	No	No
Nightshades (bell peppers, chili peppers such as jalapeno, habanero, paprika, cayenne or red pepper, tomatoes, eggplant, potatoes but not including sweet potatoes or yams)	No	No	No
Corn Products	No	No	No
Animal Fats	No	No	No
Added Enzymes	No	No	No

### Other Information

Kosher Certified	YES
Halal Certified	YES
Natural	YES
Suitable for Vegan	YES
Suitable for Vegetarian	YES
Animal Origin	NO
Irradiated	NO
Organic Certified	NO

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## **GMO/BE Statement**

MNG products are not produced from genetically modified organisms (GMO) and does not contain any ingredient(s) derived from bioengineered sources (alfalfa, apple, canola, corn, cotton, eggplant, papaya, pineapple, potato, salmon, soybean, zucchini / summer squash, sugar beet), nor any detectable bioengineered DNA and / or proteins derived from bioengineering.

## **Additional Tests**

MNG Products can be tested as per specific requirements of the customer. Other tests, specifications, technical details available on request.

## **Treatments**

MNG products can be treated with ETO (Ethylene Oxide), Steam Sterilization, Irradiation, and other treatments as per specific requirements of the customer to lower the bacteria count.

## **Labelling**

Product name, net weight, Batch code, mfg. date and best before date, Country of Origin. Additional details can be added as per specific requirement of the customer.

## **Packing**

25KG / 55LB, Packed in - LDPE-EVOH Liner in Kraft Paper bag or Carton box. Please ask us for specific packaging requirements. Pack size subject to change. Container is fumigated prior to dispatch as per requirement of customer or requirement of importing country's regulation.

## **Usage / Application**

This Product can be added directly to meat foods without prior rehydration. Can be used as Ingredient for mixed Soups, dry, canned fresh or frozen vegetable mixes, pizza, and fast food.

## **Regulatory & Certification**

This product complies with current Good Manufacturing Practices and shall confirm to the provisions of the Federal Food, Drug and Cosmetics Act and its amendments. This product contains no additives.

## **Halal, Kosher, BRC, US FDA, APEDA, Spice Board of India, FSSAI Certified Product.**

Available upon request.

## **Abbreviation**

**v/w:** volume/weight

**w/w:** weight/weight

**ppb:** parts per billion.

**HACCP:** Hazard Analysis and Critical Control Point

**cfu/g:** colony forming unit / gram

**GMP:** Good Manufacturing Practices

## **Free From Metal, Glass, Stone, and Best for Human Consumption**



## **Quality Ingredients for healthy Life**



Date of Issue: 01/02/2023	Created On: 01/02/2023
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