



Specification Sheet – Effective 12/01/2011

page 1 of 2

PRODUCT: New-Gar® deodorized 2000 Allicin granulated garlic ①
PRODUCT CODE No.: NG2000G Technical Administrator: Dr Sami Zoorob
PLANT SPECIES: <i>Allium Sativum</i> <i>Sami Zoorob</i>
Part used: Bulb Complies with all current USP/NF
SOURCE/partner: Harmoni Zhengzhou International, Henan, China HARVEST TIME: June/July

Item	Specification	Method of Analysis
Appearance:	White to light tan granules	Visual
Identity :	spectrum must match garlic granules IR reference	Botanical ID, chain of custody, Organoleptic, FT-IR
<u>Active Ingredients</u>	<u>Specification</u>	<u>Method of Analysis</u>
Allicin	Min. 2,000 ppm	C-18 HPLC
Alliin	Min 7,500 ppm	C-18 HPLC
Total Thiosulfinates	Min 2,000 ppm	C-18 HPLC
Gamma-Glutamylcysteines	Min 1,600 ppm	C-18 HPLC
Total Sulfur	VARIES	AOAC 990.28

Pesticide Evaluation (For specific values , please go to our website & check crop pesticides report)

Organophosphorus Insecticides		GC-MS, USP31, NF26
Diechlorvos	ND	
Fonofos	“	
Diazanon		
Parathion-methyl		
Chlorpyrifos-mythyl	“	
Pirimiphos-mythyl		
Malathion		
Parathion		
Chlorpyrifos	«	
Methidathion		
Ethion		
Carbophenothion		
Azinphos-methyl		
Phosalone		
Organochlorine & Pyrethroid Insecticides	ND	GC-MS, USP31, NF26
<i>alfar</i> -Hexachlorocyclohexane	“	
Hexachlorobenzene		
<i>bata</i> -Hexachlorocyclohexane		
Lindane		
<i>gamma</i> -Hexachlorocyclohexan		
Heptachlor		
Aldrin		
Heptachlor epoxide	ND	

PRODUCT: Deodorized New-Gar ®2000 ppm allicin granulated Garlic (NG2000G)		
Item	Specification	Method of Analysis
<u>Pesticide Evaluation</u>	<u>Specification</u>	<u>Method of Analysis</u>
<i>o' p' -DDE</i>	ND	GC_USP31NF26
alfar-Endosulfan		
Dieldrin		
<i>p' p' -DDE</i>		
Endrin		
Endosulfan		
<i>o' p' -DDT</i>		
Carbophenothion		
Organochlorine & Pyrethroid	“	
Insecticides		
<i>p' p' -DDT</i>		
Permethrin		
<i>Trans-Permethrin</i>		
Cypermethrin		
Fenvalerate		
Deltamathrin		
<u>Heavy metals</u>	<10.00ppm	.AOAC.method 993.14
Arsenic	< 0.50ppm	ICP Mass Spectrometry
Cadmium	< 0.50mg/kg	
Copper	< 5.00mg/kg	
Lead	< 0.50mg/kg	
Mercury	< 0.50mg/kg	
Zinc	N/D	
<u>Moisture</u>	7.0% max	A.D.O.G.A.
<u>Bulk Density</u>	0.6-0.80 g/ml or cc	
<u>Granulation</u>		
% on US #20	0%min-3%max	A.D.O.G.A.
% on US #60	40%min-85% max	A.D.O.G.A.
% thru US #100	5% min-25%max	A.D.O.G.A.
<u>Microbiological</u>		
Total plate Count	<100,000 cfu/g (Same as USP method)	AOAC 966.23
Yeast and Mold	<300 /g	FDA-BAM 7 th ed.
Coliforms	<40 /g	AOAC 966.23
E.Coli	negative	AOAC 966.23
Pseudomonas	negative	AOAC /BAM
Salmonella	negative	AOAC /BAM
Staph Aureus	negative	AOAC /BAM

ActivesTesting : Each batch is tested for Allicin potential & guaranteed.

*All other actives results are by input, & calculated as a courtesy.

Ingredients: 100% garlic, no chemicals or additives ,No ETO Treatment, & No Irradiation.

Pesticides & H/M are tested per crop

Storage Conditions & shelf life:

Store in a cool, dry place, do not freeze. Shelf life is 2yrs.

5753-G Santa Ana Cyn Rd# 573 Anaheim Hills CA.92807-3296

T: 714-223-0647 F: 714-223-0646 E-mail: info@nature4science.com www.nature4science.com