



Specification Sheet

Revised Date: 09/26/2016

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PRODUCT: New-Gar® Standardized & Deodorized 2000 Allicin granulated garlic (U)
PRODUCT CODE No.: NG2000G **TECHNICAL DIRECTOR:** Mary Gabriel
PLANT SPECIES: *Allium sativum* *Mary Gabriel*
PART USED: Bulb **Complies with all current USP/NF**
SOURCE/PARTNER: Zhengzhou Harmoni spice CO. Ltd, Zhengzhou City, Henan, China
HARVEST TIME: June/July

Item	Specification	Method of Analysis
Appearance:	White to light tan granules	Visual
Identity :	spectrum must match garlic granules	HPTLC IR reference USP36/NF31
Taste /Odor :	Characteristic w/slight reduction	
Active Ingredients	Specification	Method of Analysis
Allicin	Min. 2,000 ppm	C-18 HPLC/ ALC118A
Alliin	Min 5,000 ppm	C-18 HPLC/ ALC118A
Total Thiosulfinates	Min 2,000 ppm	C-18 HPLC/ ALC118A
Gamma-Glutamylcysteines	Min 5,000 ppm	C-18 HPLC/ ALC118A
Total Sulfur	VARIABLES	AOAC 990.28/ ICP
Pesticides evaluation: (For full list & actual values, go to our website for a full report on new crop)		
Organophosphorus Insecticides		GC-MS,USP36,NF31
Diechlorvos	ND	Ch. 561
Fonofos	“	
Diazanon		
Parathion-methyl		
Chlorpyrifos-mythyl	“	
Pirimiphos-mythyl		
Malathion		
Parathion		
Chlorpyrifos	«	
Methidathion		
Ethion		
Carbophenothion		
Azinphos-methyl		
Phosalone		
Organochlorine & Pyrethroid Insecticides	ND	GC-MS,USP36,NF31
<i>alfar</i> -Hexachlorocyclohexane	“	Ch. 561
Hexachlorobenzene		
<i>bata</i> -Haxachlorocyclohexane		
Lindane		
<i>gamma</i> -Haxachlorocyclohexan		
Heptachlor		
Aldrin		
Heptachlor epoxide	ND	
<i>o' p'</i> -DDE		
<i>alfar</i> -Endosulfan		
Dieldrin		
<i>p' p'</i> -DDE	ND	

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

PRODUCT: New-Gar®, Standardized&Deodorized 2000 ppm allicin granulated Garlic NG2000G

Item	Specification	Method of Analysis
<u>Pesticide Evaluation</u>	<u>Specification</u>	<u>Method of Analysis</u>
alfar-Endosulfan	ND	GC-MS, USP36NF31
Dieldrin		
<i>p' p'</i> -DDE		
Endrin		
Endosulfan		
<i>o' p'</i> -DDT		
Carbophenothion		
Organochlorine & Pyrethroid	“	
Insecticides		
<i>p' p'</i> -DDT		
Permethrin		
<i>Trans</i> -Permethrin		
Cypermethrin		
Fenvalerate		
Deltamathrin		
Aflatoxins B1 & B2	ND	EN14123
Aflatoxins G1 & G2	«	IAC,HPLC-FLD
<u>Heavy metals</u> / Must Meet USP Limits	<10mg/kg	<u>Actual Results of crop</u> USP method 231
Arsenic	< 0.50mg/kg	<0.20mg/kg ICP/MS
Cadmium	< 0.50mg/kg	<0.50mg/kg AICP05A
Lead	< 0.20mg/kg	<0.20mg/kg ICP/MS
Mercury	< 0.50mg/kg	<0.50mg/kg ICP/MS
<u>Moisture</u>	7.0% max	USP36/NF31
<u>Bulk Density(untapped)</u>	0.6-0.80 g/ml or cc	USP36/NF31
<u>Granulation</u>		
% on US #20	0 min-3%max	USP36/NF31
% on US #35	10%min-25% max	USP36/NF31
% on US #60	40%min-85% max	USP36/NF31
% on US #100	5% min-25%max	USP36/NF31
<u>Microbiological</u>		
Total plate Count	<75,000 cfu/g	(Same as USP<2021,2022>)AOAC 966.23
Yeast and Mold	<100 cfu/g	FDA-BAM 7 th ed.
Coliforms	<20cfu /g	AOAC 966.23
E.Coli	negative	AOAC 966.23
Pseudomonas	negative	AOAC /BAM
Salmonella	negative	AOAC /BAM
Staph Aureus	negative	AOAC /BAM
<u>Actives Testing:</u> Each batch is tested for Allicin potential & guaranteed.		
*All other actives results are by input, & calculated as a courtesy.		
<u>Ingredients:</u> 100% garlic, Non-GMO, no chemicals or additives, No ETO Treatment, & No Irradiation.		
<u>Pesticides & H/M are tested per crop</u>		
<u>Storage Conditions & shelf life:</u> Store in a cool, dry place, do not freeze. Shelf life is 2yrs.		