



Specification Sheet

Revised Date: 01/02/2018

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PRODUCT: New-Gar® Standardized & Deodorized 2000 Allicin Organic granulated garlic ①
 PRODUCT CODE No.: NG2000GO 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	VARIES	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> -Hexachlorocyclohexane		
Lindane		
<i>gamma</i> -Hexachlorocyclohexan		
Heptachlor		
Aldrin		
Heptachlor epoxide	ND	
Pesticide Evaluation		
<i>o' p'</i> -DDE	ND	GC-MS, USP36/NF31
<i>alfar</i> -Endosulfan		
Dieldrin		
<i>p' p'</i> -DDE		
Endrin/ Endosulfan		



Specification sheet

PRODUCT: New-Gar®, Standardized & Deodorized 2000 ppm allicin Organic granulated Garlic (NG2000GO)		
Item	Specification	Method of Analysis

<i>o' p' -DDT</i>	ND	GC-MS,USP36,NF31
Carbophenothion		Ch 561
Organochlorine & Pyrethroid Insecticides	“	
<i>p' p' -DDT</i>		
Permethrin		
Trans-Permethrin		
Cypermethrin		
Fenvalerate		
Deltamathrin		
Aflatoxins B1 & B2	ND	EN14123
Aflatoxins G1 & G2	“	IAC,HPLC-FLD
<u>Heavy metals / Must Meet USP Limits</u>	<u><10mg/kg</u>	<u>Actual Results of crop USP method 231</u>
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>Bulk Density(untapped)</u>	<u>0.42-0.62 g/ml or cc</u>	<u>USP36/NF31</u>
<u>Moisture</u>	<u>7.0% max</u>	<u>USP36/NF31</u>
<u>Granulation/Mesh</u>		
% on US #20	0-3% 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-15% max	USP36/NF31
<u>Microbiological</u>		
Total plate Count	<75,000 cfu/g	(Same as USP <2021,2022>) AOAC 966.23
Yeast and Mold	<100cfu /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

Actives Testing: Each batch is tested for Allicin potential & guaranteed.

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

Ingredients: 100% garlic, Non-GMO, no chemicals or additives, No ETO Treatment, & No Irradiation. NG2000GO was grown and processed organically certified by ECOCERT, France.

Pesticides & H/M are tested per crop

Storage Conditions & shelf life:

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