



Specification Sheet

Revised 08/26/2016

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PRODUCT: New-Gar® Standardized & Deodorized 8000 Allicin granulated garlic (U)	TECHNICAL DIRECTOR: Mary Gabriel
PRODUCT CODE No.: NG8000G	<i>Mary Gabriel</i>
PLANT SPECIES: <i>Allium sativum</i>	
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 potential	Min. 8,000 ppm	C-18 HPLC/ALC118A
Alliin	Min 18,000 ppm	C-18 HPLC/ALC118A
Total Thiosulfinates	Min 8,000 ppm	C-18 HPLC/ALC118A
Gamma-Glutamylcysteines	Min 18,000 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> -Haxachlorocyclohexane		
Lindane		
<i>gamma</i> -Haxachlorocyclohexan		
Heptachlor		
Aldrin		
Heptachlor epoxide	ND	
<i>o' p'</i> -DDE		GC-MS, USP36NF31
<i>alfar</i> -Endosulfan		
Dieldrin		
<i>p' p'</i> -DDE		



Specification sheet

PRODUCT:Standardized & Deodorized New-Gar ®8000 ppm allicin granulated Garlic (NG8000G)		
Item	Specification	Method of Analysis
<u>Pesticide Evaluation</u>	<u>Specification</u>	<u>Method of Analysis</u>
Endrin	ND	GC-MS, USP36NF31
Endosulfan		
<i>o' p' -DDT</i>		
Carbophenothion		
Organochlorine & Pyrethroid	“	
Insecticides		
<i>p' p' -DDT</i>		
Permethrin		
<i>Trans-Permethrin</i>		
Cypermethrin		
Fenvalerate		
Deltamathrin		
Aflatoxins B1 & B2	ND	EN14123
Aflatoxins G1 & G2	«	IAC,HPLC-FLD
<u>Heavy metals / Must Meet USP Limits</u>	<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>Bulk Density(untapped)</u>	0.6-0.72 g/ml or cc	USP36NF31
<u>Moisture</u>	7.0% max	USP36NF31
<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	<20 cfu/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, Non-GMO, 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.