



# Specification Sheet

Revised 09/26/2015

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**PRODUCT:** New-Gar® Standardized & Deodorized 10000 Allicin Organic granulated garlic <sup>U</sup>  
**PRODUCT CODE No.:** NG1000GO      **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
<b>Appearance:</b>	White to light tan granules	Visual
<b>Identity :</b>	spectrum must match garlic granules	HPTLC IR reference USP36/NF31
<b>Taste /Odor :</b>	Characteristic w/slight reduction	
<b>Active Ingredients</b>	<b>Specification</b>	<b>Method of Analysis</b>
Allicin Potential	Min. 10,000 ppm	C-18 HPLC/ALC118A
Alliin *	25,000 ppm	C-18 HPLC/ALC118A
Total Gamma-glutamylcysteines *	24,000 ppm	C-18 HPLC/ALC118A
Total Thiosulfinates *	10,000 ppm	C-18 HPLC/ALC118A
Total Sulfur	VARIES	AOAC 990.28/ICP
<b>Pesticides evaluation:</b> ( For full list & actual values, go to our website for a full report on new crop)		
<b>Organophosphorus Insecticides</b>		<b>GC-MS,USP36,NF31</b>
Diechlorvos	ND	Ch. 561
Fonofos	“	
Diazanon		
Parathion-methyl		
Chlorpyrifos-mythyl	“	
Pirimiphos-mythyl		
Malathion		
Parathion		
Chlorpyrifos	«	
Methidathion		
Ethion		
Carbophenothion		
Azinphos-methyl		
Phosalone		
<b>Organochlorine &amp; Pyrethroid</b>	<b>ND</b>	<b>GC-MS,USP36,NF31</b>
<b>Insecticides</b>		<b>Ch. 561</b>
<i>alfar</i> -Hexachlorocyclohexane	“	
Hexachlorobenzene		
<i>bata</i> -Haxachlorocyclohexane		
Lindane		
<i>gamma</i> -Haxachlorocyclohexan		
Heptachlor		
Aldrin		
Heptachlor epoxide		
<i>o' p'</i> -DDE		
<i>alfar</i> -Endosulfan		
Dieldrin/ <i>p' p'</i> -DDE		

**Specification sheet**

PRODUCT: Standardized & Deodorized New-Gar @10000 ppm Allicin Organic granulated Garlic (NG10000GO)

Specification	Method of Analysis
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**Pesticide Evaluation**

Endrin	N/D	GC-MS, USP36NF31
Endosulfan		
o' p' -DDT		
Carbophenothion		
Organochlorine & Pyrethroid	“	
Insecticides		
p' p' -DDT		
Permethrin		
Trans-Permethrin		
Cypermethrin		
Fenvalerate		
Deltamathrin		

Aflatoxins B1 & B2	ND	EN14123
Aflatoxins G1 & G2	«	IAC,HPLC-FLD
<b>Heavy metals / Must Meet USP Limits &lt;10mg/kg</b>		<b>Actual Results of crop USP method 231</b>
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

<b>Moisture</b>	<b>10.0% max</b>	<b>USP36/NF31</b>
<b>Bulk Density(untapped)</b>	<b>0.6-0.80 g/ml or cc</b>	<b>USP36/NF31</b>
<b>Granulation</b>		
% 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-15%max	USP36/NF31

<b>Microbiological</b>		
Total plate Count	<75,000 cfu/g	(Same as USP<2021,2022>)AOAC 966.23
Yeast and Mold	<100 cfu/g	FDA-BAM 7 <sup>th</sup> 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. NG10000GO 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