

## Specification Sheet

Revised Date: 02/02/2020

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**PRODUCT:** New-Gar® Standardized & Deodorized 2000 Allicin Organic granulated garlic <sup>U</sup>  
**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
<b>Appearance:</b>	White to light tan granules	Visual
<b>Identity :</b>	target:Garlic,Allium sativum species	DNA Species ID, SOP 17236
<b>Taste /Odor :</b>	Characteristic w/slight reduction	
<b>Active Ingredients</b>	<b>Specification</b>	<b>Method of Analysis</b>
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
<b>Pesticides/Insecticides values** (For full list &amp; actual values report, go to our website on new crop)</b>		
<b>Organophosphorus Insecticides</b>		<b>BS EN 15662: 2018</b>
Diechlorvos	ND	Modular QuEChERS-method
Fonofos	“	
Diazanon		
Parathion-methyl		
Chlorpyrifos-mythyl	“	
Pirimiphos-mythyl		
Malathion		
Parathion		
Chlorpyrifos	«	
Methidathion		
Ethion		
Carbophenothion		
Azinphos-methyl		
Phosalone		
<b>Organochlorine &amp; Pyrethroid</b>	ND	<b>BS EN 15662: 2018</b>
<i>alfar</i> -Hexachlorocyclohexane	“	Modular QuEChERS-method
Hexachlorobenzene		
<i>bata</i> -Haxachlorocyclohexane		
Lindane		
<i>gamma</i> -Haxachlorocyclohexan		
Heptachlor		
Aldrin		
Heptachlor epoxide	ND	
<i>o' p'</i> -DDE	ND	
<i>alfar</i> -Endosulfan		
Dieldrin		
<i>p' p'</i> -DDE		
Endrin/ Endosulfan		



**Specification sheet**

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

**Pesticides/Insecticides values\*\*(con't)**

<i>o' p' -DDT</i>	ND	BS EN 15662: 2018 Modular QuEChERS-method
Carbophenothion		
Organochlorine & Pyrethroid	“	
<i>p' p' -DDT</i>		
Permethrin		
<i>Trans-Permethrin</i>		
Cypermethrin		
Fenvalerate		
Deltamathrin		

**Aflatoxins B1 & B2** ND

**Aflatoxins G1 & G2** «

**Heavy metals / Must Meet USP Limits <10mg/kg**      **Actual Results of crop** 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

**Bulk Density(untapped)**      **0.42-0.62 g/ml or cc**      **USP36/NF31**

**Moisture**      **7.0% max**      **USP36/NF31**

<b><u>Granulation/Mesh</u></b>		
% on US #35	0% max	USP36/NF31.
% on US #45	0%min-1% max	USP36/NF31
% on US # 80	10% min-15% max	USP36/NF31
% on US #100	40% min-50% max	USP36/NF31

**Microbiological**

<b>Total plate Count</b>	<50,000 cfu/g	(Same as USP <2021,2022>)	AOAC 966.23
<b>Yeast and Mold</b>	<100cfu /g		FDA-BAM 7 <sup>th</sup> ed.
<b>Coliforms</b>	<20cfu /g		AOAC 966.23
<b>E.Coli</b>	negative		AOAC 966.23
<b>Pseudomonas</b>	negative		AOAC /BAM
<b>Salmonella</b>	negative		AOAC /BAM
<b>Staph Aureus</b>	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.