



# Specification Sheet

Revised Date: 09/26/2016

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**PRODUCT:** New-Gar® Standardized & deodorized 2000 Allicin garlic powder (U)  
**PRODUCT CODE No.:** NG2000P      **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 powder	Visual
<b>Identity :</b>	spectrum must match garlic powder	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	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 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	ND	
<i>o' p'</i> -DDE	ND	GC-MS, USP36/NF31
<i>alfar</i> -Endosulfan		
Dieldrin		
<i>p' p'</i> -DDE		



**Specification sheet**

<b>PRODUCT: New-Gar®, Standardized &amp; Deodorized 2000 ppm allicin Garlic powder (NG2000P)</b>	
<u>Specification</u>	<u>Method of Analysis</u>

**Pesticide Evaluation**

**Endrin**

**Endosulfan**

*o' p' -DDT*

**Carbophenothion**

**Organochlorine & Pyrethroid** “

**Insecticides**

*p' p' -DDT*

**Permethrin**

*Trans-Permethrin*

**Cypermethrin**

**Fenvalerate**

**Deltamathrin**

**Aflatoxins B1 & B2** ND

**Aflatoxins G1 & G2** «

**Heavy metals / Must Meet USP Limits <10mg/kg**

**Arsenic** < 0.50mg/kg

**Cadmium** < 0.50mg/kg

**Lead** < 0.20mg/kg

**Mercury** < 0.50mg/kg

**EN14123**

**IAC,HPLC-FLD**

**Actual Results of crop USP method 231**

<0.20mg/kg ICP/MS

<0.50mg/kg AICP05A

<0.20mg/kg ICP/MS

<0.50mg/kg ICP/MS

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

**USP36/NF31**

**Moisture** 7.0% max

**USP36/NF31**

**Granulation/Mesh**

**% 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**

**Total plate Count** <75,000 cfu/g (Same as USP <2021,2022>) **AOAC 966.23**

**Yeast and Mold** <100cfu /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.**

**Pesticides & H/M are tested per crop**

**Storage Conditions & shelf life:**

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