



# Specification Sheet

Revised Date: 02/20/2020

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**PRODUCT:** New-Gar® Standardized & Deodorized Organic 2000 Allicin garlic powder (U)  
**PRODUCT CODE No.:** NG2000PO **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>	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**</b> (For full list & actual values report, go to our website on new crop))		
<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>
alfar-Hexachlorocyclohexane	“	Modular QuEChERS-method
Hexachlorobenzene		
bata-Haxachlorocyclohexane		
Lindane		
gamma-Haxachlorocyclohexan		
Heptachlor		
Aldrin		
Heptachlor epoxide		
o' p'-DDE	ND	
alfar-Endosulfan		
Dieldrin		
p' p' -DDE		
Endrin/ Endosulfan		

**Specification sheet**

<b>PRODUCT: New-Gar® Standardized &amp; Deodorized Organic 2000 Allicin garlic powder (U)</b> (NG2000PO)		
	<b>Specification</b>	<b>Method of Analysis</b>

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

<i>o' p'</i> -DDT	ND	BS EN 15662: 2018
Carbophenothion		Modular QuEChERS-method
Organochlorine & Pyrethroid	“	
<i>p' p'</i> -DDT		
Permethrin		
<i>Trans</i> -Permethrin		
Cypermethrin		
Fenvalerate		
Deltamathrin		
Aflatoxins B1 & B2	ND	
Aflatoxins G1 & G2	«	

<u>Heavy metals</u> / Must Meet USP Limits	<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>Moisture</u>	7.0% max		USP36/NF31
<u>Bulk Density(untapped)</u>	0.6-0.80 g/ml or cc		USP36/NF31
<u>Granulation/Mesh</u>			
% 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
<u>Microbiological</u>			
Total plate Count	<50,000 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. NG2000PO 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.