



# Specification Sheet

Revised 02/02/2020

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**PRODUCT:** New-Gar® Standardized & Deodorized 10000 Allicin granulated garlic (U)  
**PRODUCT CODE No.:** NG10000G      **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 Potential	Min.10,000 ppm	C-18 HPLC/ALC118A
Alliin *	Min.25,000 ppm	C-18 HPLC/ALC118A
Gamma-glutamylcysteines *	Min.24,000 ppm	C-18 HPLC/ALC118A
Total Thiosulfinates *	Min.10,000 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	<b>Modular QuEChERS-method</b>
Fonofos	“	
Diazanon		
Parathion-methyl		
Chlorpyrifos-mythyl	“	
Pirimiphos-mythyl		
Malathion		
Parathion		
Chlorpyrifos	«	
Methidathion		
Ethion		
Carbophenothion		
Azinphos-methyl		
Phosalone		
<b>Organochlorine &amp; Pyrethroid Insecticides</b>	ND	<b>BS EN 15662: 2018</b>
<i>alfar</i> -Hexachlorocyclohexane	“	<b>Modular QuEChERS-method</b>
Hexachlorobenzene		
<i>bata</i> -Hexachlorocyclohexane		
Lindane		
<i>gamma</i> -Hexachlorocyclohexan		
Heptachlor		
Aldrin		
Heptachlor epoxide		
<i>o' p'</i> -DDE		
<i>alfar</i> -Endosulfan		
Dieldrin		
<i>p' p'</i> -DDE		

**Specification sheet**

PRODUCT: New-Gar® Standardized & Deodorized 10000ppm allicin granulated Garlic(NG10000G)		
	<b>Specification</b>	<b>Method of Analysis</b>

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

Endrin	N/D	BS EN 15662: 2018
Endosulfan		Modular QuEChERS-method
o' p' -DDT		
Carbophenothion		
Organochlorine & Pyrethroid	“	
p' p' -DDT		
Permethrin		
Trans-Permethrin		
Cypermethrin		
Fenvalerate		
Deltamethrin		
Aflatoxins B1 & B2	ND	
Aflatoxins G1 & G2	«	

<b><u>Heavy metals</u></b> / Must Meet USP Limits	<10mg/kg	<b><u>Actual Results of crop</u></b>	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

<b><u>Moisture</u></b>	7.0% max	USP36/NF31
<b><u>Bulk Density(untapped)</u></b>	0.6-0.80 g/ml or cc	USP36/NF31
<b><u>Granulation</u></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><u>Microbiological</u></b>		
Total plate Count	<50,000 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.

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

**Storage Conditions & shelf life:** Store in a cool, dry place, do not freeze. Shelf life is 2yrs