



Specification Sheet

Revised 02/02/2020

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PRODUCT: New-Gar® Standardized & Deodorized 10000 Allicin garlic powder (U)
PRODUCT CODE No.: NG10000P **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
Appearance:	White to light tan powder	Visual
Identity :	target:Garlic,Allium sativum species	DNA Species ID, SOP 17236
Taste /Odor :	Characteristic w/slight reduction	
Active Ingredients	Specification	Method of Analysis
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
Pesticides/Insecticides values** (For full list & actual values report, go to our website on new crop))		
Organophosphorus Insecticides		BS EN 15662: 2018
Diechlorvos	ND	Modular QuEChERS-method
Fonofos	“	
Diazanon	“	
Parathion-methyl	“	
Chlorpyrifos-mythyl	“	
Pirimiphos-mythyl	“	
Malathion	“	
Parathion	“	
Chlorpyrifos	«	
Methidathion	“	
Ethion	“	
Carbophenothion	“	
Azinphos-methyl	“	
Phosalone	“	
Organochlorine & Pyrethroid	ND	BS EN 15662: 2018
		Modular QuEChERS-method
<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	
<i>alfar</i> -Endosulfan	“	

Specification sheet

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PRODUCT: New-Gar®, Standardized & Deodorized 10000 ppm Allicin Garlic powder (NG10000P)	
Specification	Method of Analysis

Pesticides/Insecticides values (Con't)**

**BS EN 15662: 2018
Modular QuEChERS-method**

Dieldrin	ND
<i>p' p'</i> -DDE	
Endrin	
Endosulfan	
<i>o' p'</i> -DDT	
Carbophenothion	
Organochlorine & Pyrethroid	“
<i>p' p'</i> -DDT	
Permethrin	
<i>Trans</i> -Permethrin	
Cypermethrin	
Fenvalerate	
Deltamethrin	
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>Bulk Density(untapped)</u>	0.42-0.62 g/ml or cc	USP36NF31
<u>Moisture</u>	7.0% max	USP36NF31.
<u>Granulation/Mesh</u>		
% on US #35	0% max	USP36NF31
% on US #45	0%min-1% max	USP36NF31
% on US # 80	10% min-15% max	USP36NF31
% on US #100	40% min-50% max	USP36NF31

<u>Microbiological</u>		
Total plate Count	<50,000 cfu/g	(Same as USP<2021,2022>) AOAC 966.23
Yeast and Mold	<100 cfu/g	FDA-BAM 7 th ed.
Coliforms	<20 cfu/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(not guaranteed)

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.