



Specification Sheet

Revised 02/02/2020

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PRODUCT: New-Gar® Standardized & Deodorized 10000 Allicin Organic garlic powder (U)
PRODUCT CODE No.: NG10000PO **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
alfar-Hexachlorocyclohexane	“	Modular QuEChERS-method
Hexachlorobenzene		
bata-Haxachlorocyclohexane		
Lindane		
gamma-Haxachlorocyclohexan		
Heptachlor		
Aldrin		
Heptachlor epoxide	ND	
o' p'-DDE	ND	
alfar-Endosulfan		
Dieldrin		
p' p' -DDE		
Endrin/ Endosulfan		

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Specification	Method of Analysis

Pesticides/Insecticides values (Con't)**

<i>o' p' -DDT</i>	ND	BS EN 15662: 2018
Carbophenothion		Modular QuEChERS-method
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
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	<50,000 cfu/g	(Same as USP <2021,2022>)	AOAC 966.23
Yeast and Mold	<100cfu /g		FDA-BAM 7 th 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. NG10000PO 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.