



Specification Sheet

Revised 09/26/2016

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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 :	spectrum must match garlic powder	HPTLC IR reference USP36/NF31
Taste /Odor :	Characteristic w/slight reduction	
Active Ingredients	Specification	Method of Analysis
Allicin Potential	Min. 10,000 ppm	C-18 HPLC/ALC118A
Alliin *	25,000 ppm	C-18 HPLC/ALC118A
Gamma-glutamylcysteines *	24,000 ppm	C-18 HPLC/ALC118A
Total Thiosulfinates *	10,000 ppm	C-18 HPLC/ALC118A
Total Sulfur	VARIES	AOAC 990.28/ICP
Pesticides evaluation: (For full list & actual values, go to our website for a full report on new crop)		
Organophosphorus Insecticides		GC-MS, USP36, NF31
Diechlorvos	ND	Ch. 561
Fonofos	“	
Diazanon		
Parathion-methyl		
Chlorpyrifos-mythyl	“	
Pirimiphos-mythyl		
Malathion		
Parathion		
Chlorpyrifos	«	
Methidathion		
Ethion		
Carbophenothion		
Azinphos-methyl		
Phosalone		
Organochlorine & Pyrethroid Insecticides	ND	GC-MS, USP36, NF31
<i>alfar</i> -Hexachlorocyclohexane	“	Ch. 561
Hexachlorobenzene		
<i>bata</i> -Hexachlorocyclohexane		
Lindane		
<i>gamma</i> -Hexachlorocyclohexan		
Heptachlor		
Aldrin		
Heptachlor epoxide	ND	
Pesticide Evaluation		
<i>o' p'</i> -DDE	ND	GC-MS, USP36NF31
<i>alfar</i> -Endosulfan		

PRODUCT:New-Gar®,Standardized&Deodorized 10000 ppmAllicin Garlic powder(NG10000P)	
<u>Specification</u>	<u>Method of Analysis</u>

Dieldrin		
<i>p' p' -DDE</i>		
Endrin		
Endosulfan		
<i>o' p' -DDT</i>		
Carbophenothion		
Organochlorine & Pyrethroid	“	
Insecticides		
<i>p' p' -DDT</i>		
Permethrin		
<i>Trans-Permethrin</i>		
Cypermethrin		
Fenvalerate		
Deltamathrin		
Aflatoxins B1 & B2	ND	EN14123
Aflatoxins G1 & G2	«	IAC,HPLC-FLD
<u>Heavy metals / Must Meet USP Limits <10mg/kg</u>		<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	<75,000 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

ActivesTesting : 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.