



Specification Sheet

Revised 02/02/2020

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PRODUCT: New-Gar® Standardized & Deodorized 8000 Allicin garlic powder ①	TECHNICAL DIRECTOR: Mary Gabriel
PRODUCT CODE No.: NG8000P	<i>Mary Gabriel</i>
PLANT SPECIES: <i>Allium sativum</i>	
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, SOP17236
Taste /Odor :	Characteristic w/slight reduction	
Active Ingredients	Specification	Method of Analysis
Allicin potential	Min. 8,000 ppm	C-18 HPLC/ALC118A
Alliin	Min 18,000 ppm	C-18 HPLC/ALC118A
Total Thiosulfinates	Min 8,000 ppm	C-18 HPLC/ALC118A
Gamma-Glutamylcysteines	Min 18,000 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		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	ND	GC-MS,USP36,NF31
		Ch. 561
alfar-Hexachlorocyclohexane	“	
Hexachlorobenzene		
bata-Haxachlorocyclohexane		
Lindane		
gamma-Haxachlorocyclohexan		
Heptachlor		
Aldrin		
Heptachlor epoxide	ND	
o' p'-DDE	ND	
alfar-Endosulfan		
Dieldrin		
p' p' -DDE		
Endrin		

PRODUCT: New-Gar® Standardized & Deodorized 8000Allicin garlic powder (U), NG8000P		
Item	Specification	Method of Analysis

<u>Pesticides/Insecticides values** (Con't)</u>		GC-MS, USP36.NF31
Endosulfan	ND	Ch.561
o' p' -DDT		
Carbophenothion		
Organochlorine & Pyrethroid	“	
p' p' -DDT		
Permethrin		
Trans-Permethrin		
Cypermethrin		
Fenvalerate		
Deltamethrin		
Aflatoxins B1 & B2	ND	EN14123
Aflatoxins G1 & G2	«	IAC,HPLC-FLD
<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</u> (untapped)	0.42-0.62 g/ml or cc	USP36,NF31
<u>Moisture</u>	7.0% max (although we aim for <6%)	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	<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.

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.