



Specification Sheet

Revised 02/02/2020

page 1 of 2

PRODUCT: New-Gar® Standardized & Deodorized 8000 Allicin granulated garlic (U)	TECHNICAL DIRECTOR: Mary Gabriel
PRODUCT CODE No.: NG8000G	<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 granules	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. 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
alfar-Hexachlorocyclohexane	“	Ch. 561
Hexachlorobenzene		
bata-Haxachlorocyclohexane		
Lindane		
gamma-Haxachlorocyclohexan		
Heptachlor		
Aldrin		
Heptachlor epoxide	ND	
o' p'-DDE		
alfar-Endosulfan		
Dieldrin		
p' p' -DDE		

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PRODUCT: Standardized & Deodorized New-Gar @8000 ppm allicin granulated Garlic (NG8000G)			
Item	Specification	Method of Analysis	
Pesticides/Insecticides values** (Con't)			
Endrin	ND	GC-MS, USP36NF31	
Endosulfan			
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	
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)	0.6-0.72 g/ml or cc	USP36NF31	
Moisture	7.0% max	USP36NF31	
Granulation			
% 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-25%max	USP36/NF31	
Microbiological			
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.			