



## Specification Sheet

Revised 09/26/2016

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<b>PRODUCT:</b> New-Gar® Aged garlic extract powder ①		
<b>PRODUCT CODE No.:</b> NGAGEX1P	<b>TECHNICAL DIRECTOR:</b> Mary Gabriel	
<b>PLANT SPECIES:</b> <i>Allium sativum</i>	<i>Mary Gabriel</i>	
<b>PART USED:</b> Bulb	Complies with all current USP/NF	
<b>SOURCE/PARTNER:</b> Zhengzhou Harmoni spice CO. Ltd, Zhengzhou City, Henan, China		
<b>HARVEST TIME:</b> June/July		
Item	Specification	Method of Analysis

<b>Appearance:</b>	White to light tan powder	Visual
<b>Identity :</b>	spectrum must match garlic powder	HPTLC IR reference USP36/NF31
<b>Taste /Odor :</b>	Characteristic w/slight reduction	

### Active Ingredients\*

S-Allyl Cysteine (SAC)

Diallyl Trisulfide

### Method of Analysis

HPLC/ALC118A

HPLC/ALC118A

**Pesticides evaluation:** ( For full list & actual values, go to our website for a full report on new crop)

<b>Organophosphorus Insecticides</b>		GC-MS, USP36, NF31
Diechlorvos	Non-Detected	Ch. 561
Fonofos	“	
Diazanon		
Parathion-methyl		
Chlorpyrifos-mythyl	“	
Pirimiphos-mythyl		
Malathion		
Parathion		
Chlorpyrifos	«	
Methidathion		
Ethion		
Carbophenothion		
Azinphos-methyl		
Phosalone		
<b>Organochlorine &amp; Pyrethroid Insecticides</b>	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	

<b>PRODUCT: New-Gar® Aged Garlic Extract Powder (NGAGEX1P)</b>		
	<b>Specification</b>	<b>Method of Analysis</b>

**Pesticide Evaluation**

<i>o' p'</i> -DDE	ND	GC-MS, USP36NF31
alfar-Endosulfan		
Dieldrin		
<i>p' p'</i> -DDE		
Endrin		
Endosulfan		
<i>o' p'</i> -DDT		
Carbophenothion		
Organochlorine & Pyrethroid	“	
Insecticides		
<i>p' p'</i> -DDT		
Permethrin		
<i>Trans</i> -Permethrin		
Cypermethrin		
Fenvalerate		
Deltamathrin		
Aflatoxins B1 & B2	ND	EN14123
Aflatoxins G1 & G2	«	IAC,HPLC-FLD

<b><u>Heavy metals</u> / Must Meet USP Limits</b>	<b>&lt;10mg/kg</b>	<b><u>Actual Results of crop</u></b>	<b>USP method 231</b>
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

<b><u>Moisture</u></b>	<b>7.0% max</b>	<b>USP36NF31</b>
<b><u>Bulk Density</u></b> (untapped)	<b>0.42-0.62 g/ml</b>	<b>USP36NF31</b>
<b><u>Granulation/Mesh</u></b>		
% on US #35	Trace	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

**Microbiological**

Total plate Count	<75,000 cfu/g	(Same as USP<2021,2022>)	AOAC 966.23
Yeast and Mold	<100 cfu/g		FDA-BAM 7 <sup>th</sup> 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:** Actives listed are tested per batch & guaranteed to be present.  
No min level is determined.

**Ingredients:** 100% garlic, Non-GMO, no chemicals or additives ,No ETO Treatment, & No Irradiation.  
**Pesticides & H/M** are tested at US labs twice/yr : early & late crop

**Storage Conditions & shelf life:** Store in a cool, dry place, do not freeze. Shelf life is 2 yrs.