



Specification Sheet – Revised 03/15/2012

PRODUCT: New-Gar® Aged Garlic Extract Powder		
PRODUCT CODE No.: NGAGEX1P	Technical Administrator: Sami Zoorob	
PLANT SPECIES: <i>Allium Sativum</i>	<i>Sami Zoorob</i>	
Part used: Bulb	Complies with all current USP/NF	
SOURCE/partner: Harmoni Zhengzhou International, Henan, China	HARVEST TIME: June/July	
Item	Specification	Method of Analysis

<u>Appearance:</u>	White to light tan powder	Visual
<u>Identity</u>	: spectrum must match garlic powder IR reference	Botanical ID, chain of custody, Organoleptic, FT-IR
<u>Active Ingredients*</u>		<u>Method of Analysis</u>
S-Allyl		HPLC
Diallyl Trisulfide		HPLC
<u>Pesticide Evaluation</u>		
Organophosphorus Insecticides		GC-MS, USP31, NF26
Diechlorvos	Non-Detected	
Fonofos	“	
Diazanon		
Parathion-methyl		
Chlorpyrifos-mythyl	“	
Pirimiphos-mythyl		
Malathion		
Parathion		
Chlorpyrifos	«	
Methidathion		
Ethion		
Carbophenothion		
Azinphos-methyl		
Phosalone		
Organochlorine & Pyrethroid Insecticides	ND	GC-MS, USP31, NF26
<i>alfar</i> -Hexachlorocyclohexane	“	
Hexachlorobenzene		
<i>bata</i> -Hexachlorocyclohexane		
Lindane		
<i>gamma</i> -Hexachlorocyclohexane		
Heptachlor		
Aldrin		
Heptachlor epoxide	ND	

PRODUCT: Deodorized New-Gar® Aged Garlic Extract Powder (NGAGEX1P)		
	Specification	Method of Analysis

Pesticide Evaluation

<i>o' p'</i> -DDE	ND	GC_USP31NF26
alifar-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		

<u>Heavy metals</u> / Must Meet USP Limits	<10mg/kg	<u>Actual Results of crop 2012</u>	USP method 231
Arsenic	< 0.50ppm	28ppb	ICP/MS
Cadmium	< 0.50mg/kg	<0.50mg/kg	AICP05A
Copper	< 3.0 mg/kg**	<2.00mg/kg	ICP/MS
Lead	< 0.50mg/kg	15ppb	ICP/MS
Mercury	< 0.50mg/kg	<0.50mg/kg	ICP/MS
Zinc	< 3.0 mg/kg**	<2.00mg/kg	ICP/MS

** Specifications on zinc & copper were set based on tests results of several samples of new crop.

No FDA and/or USP limits are posted or determined. Specifications are only listed for information purposes & may exceed limits as garlic is a natural product & nothing is added in its process.

<u>Moisture</u>	7.0% max	A.D.O.G.A.
<u>Bulk Density</u>	0.42-0.62 g/ml	
<u>Granulation/Mesh</u>		
% on US #35	Trace	A.D.O.G.A.
% on US #45	0%min-1% max	A.D.O.G.A.
% on US # 80	10% min-15% max	A.D.O.G.A.
% thru US #100	40% min-50% max	A.D.O.G.A.

Microbiological

Total plate Count	<100,000 cfu/g (Same as USP method)	AOAC 966.23
Yeast and Mold	<300 /g	FDA-BAM 7 th ed.
Coliforms	<40 /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, no chemicals or additives, 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 .