



Specification Sheet

Revised 02/02/2023

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PRODUCT: New-Gar® Aged garlic extract powder [Ⓢ]
PRODUCT CODE No.: NGAGEX1P **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
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Appearance: White to light tan powder Visual
Identity : target:Garlic, Allium sativum species DNA Species ID, SOP 17236
Taste /Odor : Characteristic w/slight reduction

Active Ingredients*

S-Allyl Cysteine (SAC) **Method of Analysis**
Diallyl Trisulfide HPLC/ALC118A
HPLC/ALC118A
Pesticides/Insecticides values** (For full list & actual values report, go to our website on new crop))

Organophosphorus Insecticides		BS EN 15662: 2018 Modular QuEChERS-method
Diechlorvos	Non-Detected	
Fonofos	“	
Diazanon		
Parathion-methyl		
Chlorpyrifos-mythyl	“	
Pirimiphos-mythyl		
Malathion		
Parathion		
Chlorpyrifos	«	
Methidathion		
Ethion		
Carbophenothion		
Azinphos-methyl		
Phosalone		
Organochlorine & Pyrethroid	ND	BS EN 15662: 2018 Modular QuEChERS-method
<i>alfar</i> -Hexachlorocyclohexane	“	
Hexachlorobenzene		
<i>bata</i> -Hexachlorocyclohexane		
Lindane		
<i>gamma</i> -Hexachlorocyclohexan		
Heptachlor		
Aldrin		
Heptachlor epoxide	ND	

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

Pesticides/Insecticides values (Con't)**

<i>o' p'</i> -DDE	ND	BS EN 15662: 2018 Modular QuEChERS-method
alfar-Endosulfan		
Dieldrin		
<i>p' p'</i> -DDE		
Endrin		
Endosulfan		
<i>o' p'</i> -DDT		
Carbophenothion		
Organochlorine & Pyrethroid	“	
<i>p' p'</i> -DDT		
Permethrin		
<i>Trans</i> -Permethrin		
Cypermethrin		
Fenvalerate		
Deltamathrin		
Aflatoxins B1 & B2	ND	
Aflatoxins G1 & G2	«	

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

Moisture	7.0% max	USP36NF31
Bulk Density (untapped)	0.42-0.62 g/ml	USP36NF31
Granulation/Mesh		
% 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	<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: Actives listed are tested per batch & guaranteed to be present.

No min level is determined.

Ingredients: 100% garlic, aged 3-5 years in refrigeration, 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 2 yrs.