



Specification Sheet

Revised Date: 09/26/2016

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PRODUCT: New-Gar® Black Fermented Garlic Powder Extract
PRODUCT CODE No.: NGBGEX2 **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
Appearance:	White to light tan powder	Visual
Identity :	spectrum must match garlic powder IR reference	HPTLC USP36/NF31
<u>Active Ingredients</u>	<u>Specification</u>	<u>Method of Analysis</u>
S-Allyl Cysteine	5,500ppm	C-18 HPLC
ORAChydro	200 µ mol TE/g	USP36/NF31
<u>Pesticides evaluation:</u>		
Organophosphorus Insecticides		GC-MS, USP36, NF31 Ch. 561
Diechlorvos	ND	
Fonofos	“	
Diazanon		
Parathion-methyl		
Chlorpyrifos-mythyl	“	
Pirimiphos-mythyl		
Malathion		
Parathion		
Chlorpyrifos	«	
Methidathion		
Ethion		
Carbophenothion		
Azinphos-methyl		
Phosalone		
Organochlorine & Pyrethroid Insecticides	ND	GC-MS, USP36, NF31 Ch. 561
<i>alfa</i> -Hexachlorocyclohexane	“	
Hexachlorobenzene		
<i>bata</i> -Hexachlorocyclohexane		
Lindane		
<i>gamma</i> -Hexachlorocyclohexan		
Heptachlor		
Aldrin		
Heptachlor epoxide	ND	

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Product: New-Gar® Aged Black Garlic Powder Extract	Product code#: NGBGEX2
Specification	Method of Analysis

Pesticide Evaluation

<i>o' p' -DDE</i>	ND	GC-MS, USP36, NF31
alfar-Endosulfan		
Dieldrin		
<i>p' p' -DDE</i>		
Endrin		
Endosulfan		
<i>o' p' -DDT</i>		
Carbophenothion		
Organochlorine & Pyrethroid	“	
Insecticides		
<i>p' p' -DDT</i>		
Permethrin		
<i>Trans-Permethrin</i>		
Cypermethrin		
Fenvalerate		
Deltamathrin		
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	< 0.50mg/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

0.6-0.80 g/ml or cc

USP36/NF31

Moisture

8.0% max

USP36/NF31

Granulation/Mesh

% 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

Microbiological

Total plate Count

<100,000 cfu/g (Same as USP method)

AOAC 966.23

Yeast and Mold

<300 cfu/g

FDA-BAM 7th ed.

Coliforms

<40 cfu/g

AOAC 966.23

E.Coli

negative

AOAC 966.23

Pseudomonas

negative

AOAC /BAM

Salmonella

negative

AOAC /BAM

Staph Aureus

negative

AOAC /BAM

Ingredients: 100% Fermented garlic, Non-GMO, no chemicals or additives , &No ETO Treatment

Storage Conditions & shelf life:

Store in a cool, dry place, do not freeze. Shelf life is 2 yrs .