



Specification Sheet

Date: Oct 1, 2009

PRODUCT: Standardized MACA Powder		
Product name : MACA6MEGA® Product: M6M0.6®		
Technical Administrator: Sami Zoorob		
<u>Sami Zoorob</u>		
Part used: Root <i>Complies with all current USP/NF</i>		
Botanical name/ Plant Species: Lepidium meyenii Walp (Peruvianum) <u>Source: PERU</u>		
Extraction: Water & Ethanol (mostly water) Residue solvent: <50ppm		
Item	Specification	Method of Analysis
Appearance:	Cream colored powder	Visual
Identity :	spectrum must match MACA IR reference	Botanical ID, chain of custody, Organoleptic, FT-IR
<u>Odor/Taste :</u>	Characteristic of MACA	

<u>Active Ingredients</u>	<u>Specification</u>	<u>Method of Analysis</u>
Glucosinolates	> 0.6% (including Macamides & Macaenes)	HPLC (A34A)

Pesticide Evaluation

<u>Active Ingredients</u>	<u>Specification</u>	<u>Method of Analysis</u>
Organophosphorus Insecticides		GC-MS, USP 31, NF26
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, USP31, NF 26
<i>alfar</i> -Hexachlorocyclohexane	“	
Hexachlorobenzene		
<i>bata</i> -Hexachlorocyclohexane		
Lindane		
<i>gamma</i> -Hexachlorocyclohexan		
Heptachlor		
Aldrin		
Heptachlor epoxide	ND	

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Revised 02/01/2009

	Specification	Method of Analysis
<u>Pesticide Evaluation</u>		
<i>o' p'</i> -DDE	ND	GC_USP31NF26
alfar-Endosulfan		
Dieldrin		
<i>p' p'</i> -DDE		
Endrin		
Endosulfan		
<i>o' p'</i> -DDT		
Carbophenothion		
Organochlorine & Pyrethroid	“	
<u>Insecticides</u>		
<i>p' p'</i> -DDT		
Permethrin		
<i>Trans</i> -Permethrin		
Cypermethrin		
Fenvalerate		
Deltamathrin		
<u>Heavy metals</u>		
	<5mg/kg	USP method 231
Arsenic	<0.50mg/kg	
Cadmium	<0.50mg/kg	
Copper	<0.50mg/kg	
Lead	<0.50mg/kg	
Mercury	<0.50mg/kg	
Zinc	<0.50mg/kg	
<u>Granulation</u>		
%on US #35	0 %	A.D.O.G.A.
% on US #45	1% max	A.D.O.G.A.
% on US #80	15% max	A.D.O.G.A.
% thru US #100	50% max	A.D.O.G.A.
Bulk Density	0.6- 0.75 g/cc	
Moisture	7.0% max	A.D.O.G.A.
<u>Microbiological* guaranteed at time of delivery only</u>		
Total plate Count	<100,000 cfu/g (Same as USP method)	AOAC 966.23
Yeast and Mold	<1000 /g	FDA-BAM 7 th ed.
Coliforms	<20 /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% Standardized MACA root powder, no chemicals or additives , No ETO Treatment & No irradiation.

Storage Conditions & shelf life:

Store in a cool, dry place, do not freeze. Shelf life is two years.