



TAMAQUA PA 18252

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CERTIFICATE OF ANALYSIS

IDENTIFICATION

Product Name: Maca Root Extract Powder >0.6%
 Botanical Name: Lepidium Meyennii
 Origin: Peru
 Part Used: Root

ANALYSIS

SPECIFICATION

RESULTS

TEST

Description	Powder	Conform	Visual
Identification	Positive	Conform	TLC
Color	Tarnish-Cream	Yellowish Cream	Visual
Taste	Characteristic	Characteristic	Organoleptic
Odor	Characteristic	Characteristic	Organoleptic
Moisture	Max 5.0%	4.8%	AOAC
Total Heavy Metals	≤10ppm	<10ppm	ICP/MS
(Pb)	≤3.0ppm	0.780ppm	
(As)	≤2ppm	<0.42ppm	
(Cd)	<1ppm	<0.011ppm	
(Hg)	<1ppm	<0.001ppm	
Carrier	Maltodextrin		
Extraction Method	Water		
Mesh Size	100% through 60 mesh		

Physiochemical:

Glucosinolates	NLT 0.6%	0.62%	HPLC
Macamides	-	0.465%	
Macaenes	-	0.211%	
Extract Ratio	12:1	(Parts of Botanical: Parts of native extract)	

Microbiological Counts

Total Plate Count	≤120,000cfu/g	12,000cfu/g	USP <2021>
Yeast	≤1,000cfu/g	100cfu/g	USP <2021>
Mold	≤1,000cfu/g	100cfu/g	USP <2021>
Coliforms	≤100cfu/g	100cfu/g	FDA BAM
E-coli,	Absent/10g	Absent/10g	USP <2021>
Salmonella	Negative	Negative	FDA BAM 8 th

Storage:

Store in a tightly, sealed container in a cool and dry area.
 Keep away from strong light and heat.
 This product is Non-GMO. This product is not treated with ETO.