



TECHNICAL DATA SHEET

PRODUCT: MACA POWDER EXTRACT 2:1
CODE: DMR.00.081.061.0000
SCIENTIFIC NAME: *Lepidium meyenii*
COMMON NAME: MACA
PLANT PART USED: MACA ROOT

COMPOSITION

MACA ROOT AND GMO FREE MALTODEXTRINE (5 / 95)

ORGANOLEPTIC FEATURES

TEST	SPECIFICATIONS	METHODOLOGY
APPEARANCE	Powder	Visual inspection
COLOR	Beige	Visual inspection
ODOR	Characteristic	Organoleptic
TASTE	Characteristic	Organoleptic

PHYSICO-CHEMICAL FEATURES

MOISTURE	< 8 %	Food Chemicals Codex, pp. 163-164, Appendix II-C, 8th Edition (2012)
GRANULOMETRY	Mesh 150	AOAC 973.03 Chapter 2, p. 53, 19th Edition 2012

MICROBIOLOGICAL FEATURES

<i>Escherichia coli</i>	Absence	ISO 7251:2005 Detection Method
SALMONELLA	Absence	ISO 6579:2002/Amd 1:2007
TOTAL AEROBIC COUNT	< 3 x10 ⁵ cfu/g	FDA/BAM, Online, 8th Ed. Rev. A, 1998. Chapter 3. January 2001
MOULD COUNT	< 3 x10 ² cfu/g	ICMSF Microorganisms in Foods, 1988
YEAST COUNT	< 3 x10 ² cfu/g	ICMSF Microorganisms in Foods, 1988

CONTAMINANTS

LEAD	3.0 ppm max.	ICP – MS Atomic absorption
ARSENIC	1.0 ppm max.	ICP – MS Atomic absorption
PESTICIDES	According to the market regulation	GC-MSMS, LC-MSMS

This analysis has an additional cost. If necessary for each batch, please consult in advance

CHARACTERISTICS GAINED IN PROCESSING

The Maca is processed by hydroalcoholic extraction (60°) and spray dry in order to improve assimilation process, water solubility and substances concentration.

SHELF LIFE

2 years, as long as the package is stored sealed at recommended conditions.

PACKAGING

Nylon and Polyethylene bag, containing 5 Kg / Bag into carton box of 20 Kg.
 Boxes of 60 x 40 x 30 cm / Pallets of 120 x 100 x 225 cm (until 700 Kg/pallet)

LABELING

Logo labeling indicating the weight, the name of the product, batch number, date of production and expiration date.

RECOMMENDED USES

Maca contains many active compounds like glucosinolates, aminoacids, vitamins, etc. Maca has proved to be good for energy enhancement, fertility and stamina, improvement of sexual disorders, keeping memory and mental clarity. It is used as superfood, functional food and nutritional supplement.

STORAGE AND TRANSPORT CONDITIONS

Keep in cool and dry environment among 20-25 °C (68-77 °F), free of plagues and strong or disagreeable odors.