CERTIFICATE OF ANALYSIS / CERTIFICADO DE ANALISIS: N° 0133-26

PRODUCT / PRODUCTO	: **MACA BLACK POWDER DOY PACK x 454 g /**
	: **MACA NEGRA POLVO DOY PACK x 454 g**
CODE / CODIGO	: **3919**
SCIENTIFIC NAME / NOMBRE CIENTÍFICO	: *Lepidium meyenii Walp*
COMMON NAME / NOMBRE COMUN	: Maca
BATCH / LOTE	: **22020016**
COMPOSITION / COMPOSICION	: Maca black organic root / Maca raíz orgánica negra: 100%
PRESENTATION / PRESENTACION	: Doy Pack Bag x 454 g / In carton box x 40 units.
	Bolsa Doy pack x 454 g / En caja de carton x 40 unidades.
EXPIRATION DATE / FECHA DE EXPIRACIÓN	: **2029-02**
MANUFACTURE DATE / FECHA DE MANUFACTURA	: **2026-02**
ANALYSIS DATE / FECHA DE ANALISIS	: **2026-02**
SOURCE COUNTRY / PAIS DE ORIGEN	: Peru / Perú

ORGANOLEPTIC CHARACTERISTICS / CARACTERISTICAS ORGANOLEPTICAS

TEST / ENSAYO	SPECIFICATIONS / ESPECIFICACIONES	RESULTS / RESULTADOS
Appearance / Aspecto	Homogeneous powder without any impurity / Polvo homogéneo sin ninguna impureza	Conform / Conforme
Color / Color	Beige / Beige	Conform / Conforme
Odor / Olor	Characteristic / Característico	Conform / Conforme
Taste / Sabor	Characteristic / Característico	Conform / Conforme

PHYSICO-CHEMICAL CHARACTERISTICS / CARACTERISTICAS FISICO QUIMICAS

TEST / ENSAYO	SPECIFICATIONS / ESPECIFICACIONES	RESULTS / RESULTADOS
Humidity / Humedad	Less than / Menor a: 8 %	4.33 %.
Gluten/Gluten	Less than / Menos de 10 ppm	Conform / Conforme
Particle size (60 mesh) / Tamaño de partícula (Malla 60)	Greater equal to / Mayor o igual a 95 %	99.5 %.

MICROBIOLOGICAL CHARACTERISTICS / CARACTERISTICAS MICROBIOLOGICAS

TEST / ENSAYO	SPECIFICATIONS / ESPECIFICACIONES	RESULTS / RESULTADOS
Aerobic Mesophiles Count / Conteo de Aerobios Mesófilos.	Less than / Menor a: 100 000 cfu/g / ufc/g	3 000 cfu/g / ufc/g
Molds Count / Conteo de Mohos.	Less than / Menor a: 1 000 cfu/g / ufc/g	<10 cfu/g / ufc/g
Yeast Count / Conteo de Levaduras.	Less than / Menor a: 1 000 cfu/g / ufc/g	<10 cfu/g / ufc/g
Escherichia coli.	< 10 cfu/g / ufc/g	<10 cfu/g / ufc/g
Salmonella sp.	Absent / Ausente / 25g	Absent / Ausente / 25g

ADDITIONAL ANALYSIS / ANALISIS ADICIONALES

HEAVY METALS / METALES PESADOS

Lead / Plomo	Not more than / No más de: 1.0 ppm	0.241 ppm
Mercury / Mercurio	Not more than / No más de: 0.1 ppm	< 0.005 ppm
Arsenic / Arsénico	Not more than / No más de: 1.0 ppm	0.157 ppm
Cadmium / Cadmio	Not more than / No más de: 1.0 ppm	0.108 ppm

AOAC official method 990.12 Aerobic Plate Count in Foods Dry Rehydratable Film Method (Petrifilm Aerobic Count Plate)

AOAC official method 997.02 Yeast and Mold Counts in Food Dry Rehydratable Film Method (Petrifilm Method)

AOAC official method 991.14 Coliform and Escherichia Coli Counts in Foods Dry Rehydratable Film Method (Petrifilm E. coli/Coliform Count Plate and Petrifilm Coliform Count Plate)

Salmonella: ICMSF Foodborne Microorganisms 1. Their Significance and Methods of Enumeration. 2nd ed. Volume 1 Part II. Pages 172-176 Point 10 (a) and (c) 177-178 (traslation of the original versión 1978) reprint 2000-Editorial ACRIBIA-1983-Salmonella.

Semi-quantitative Immunochromatographic Detection of Gliadin and gluten in surfaces, raw materials and food declared as gluten free (Rida Quick Gliadin)

Metals and minerals in foods by ICP-MS and microwave digestion. P-ME.QM 01

CONCLUSION / CONCLUSION: **APPROVED / APROBADO**

Lima, February-16-2026

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[redacted]