

CERTIFICATE OF ANALYSIS / CERTIFICADO DE ANALISIS: N° 0142-26

PRODUCT / PRODUCTO : CACAO POWDER /
 : CACAO POLVO
 CODE / CODIGO : 4425
 SCIENTIFIC NAME / NOMBRE CIENTÍFICO : Theobroma cacao
 COMMON NAME / NOMBRE COMUN : Cacao / Cacao
 BATCH / LOTE : 22020636
 COMPOSITION / COMPOSICION : Cacao / Cacao : 100%
 PRESENTATION / PRESENTACION : Paper bag Kraft x 25 kg. / Bolsa de papel Kraft x 25 kg.
 EXPIRATION DATE / FECHA DE EXPIRACIÓN : 2028-01
 MANUFACTURE DATE / FECHA DE MANUFACTURA : 2026-01
 ANALYSIS DATE / FECHA DE ANALISIS : 2026-01
 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	Light brown / Marrón claro	Conform / Conforme
Odor / Olor	Characteristic cacao / Característico a Cacao	Conform / Conforme
Taste / Sabor	Characteristic cacao / Característico a Cacao	Conform / Conforme

PHYSICO-CHEMICAL CHARACTERISTICS / CARACTERISTICAS FISICO QUIMICAS

TEST / ENSAYO	SPECIFICATIONS / ESPECIFICACIONES	RESULTS / RESULTADOS
Humidity / Humedad	Less than / Menor a: 5 %	3.30 %.
Particle size (200 mesh) Tamaño de partícula (malla 200)	minimum 99% / mínimo 99 %	99.20 %.

MICROBIOLOGICAL CHARACTERISTICS / CARACTERISTICAS MICROBIOLÓGICAS

TEST / ENSAYO	SPECIFICATIONS / ESPECIFICACIONES	RESULTS / RESULTADOS
Aerobic Mesophiles Count / Cuento de Aerobios Mesófilos.	Less than / Menor a: 50 000 cfu/g / ufc/g	6 500 cfu/g / ufc/g
Molds Count / Cuento de Mohos.	Less than / Menor a: 50 cfu/g / ufc/g	<10 cfu/g / ufc/g
Yeast Count / Cuento de Levaduras.	Less than / Menor a: 50 cfu/g / ufc/g	<10 cfu/g / ufc/g
Total Coliforms / Coliformes totales	<10 cfu/g / ufc/g	<10 cfu/g / ufc/g
Escherichia coli.	< 10 cfu/g / ufc/g	<10 cfu/g / ufc/g
Staphylococcus aureus	< 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: 2.0 ppm	0.114 ppm
Mercury / Mercurio	Not more than / No más de: 0.03 ppm	No Detected
Arsenic / Arsénico	Not more than / No más de: 0.2 ppm	0.062 ppm
Cadmium / Cadmio	Not more than / No más de: 2.0 ppm	1.2 ppm

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

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) Methods.

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 version 1978) reprint 2000- Editorial ACRIBIA-1983-Salmonella.

STAPHYLOCOCCUS AUREUS- BAM online, FDA/CFR 8 Th Ed.1995, Revision A/1988. Chapter 12 A-E Modified by date of final Revision January 2001. (Laboratorio Cerper)

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

CONCLUSION / CONCLUSION:

APPROVED / APROBADO

Lima, July-02-2026

F-CDC-001



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