



TECHNICAL DATA SHEET

PRODUCT: ORGANIC YACON ROOT CHIPS (DICES)
CODE: YAR.00.003.011.1100
SCIENTIFIC NAME: *Smallanthus sonchifolius*
COMMON NAME: YACON
PLANT PART USED: ROOT

COMPOSITION

100% YACON ROOT

ORGANOLEPTIC FEATURES

TEST	SPECIFICATIONS	METHODOLOGY
APPEARANCE	Irregular dices	Visual inspection
COLOR	Dark yellow to beige	Visual inspection
ODOR	Characteristic	Organoleptic
TASTE	Characteristic	Organoleptic

PHYSICO-CHEMICAL FEATURES

MOISTURE	< 10 %	Food Chemicals Codex, pp. 163-164, Appendix II-C, 8th Edition (2012)
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MICROBIOLOGICAL FEATURES

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

NUTRITIONAL FEATURES (average values for 100g of product)

TOTAL ENERGY	382.16 Kcal	Determination by calculation
PROTEIN	4.31 g	AOAC 970.22. On line 20th Ed. 2016
CARBOHYDRATE	87.9 g	Determination by calculation
FAT	1.48 g	AOAC 963.15. On line 20th Ed. 2016
FIBER	3.66 g	AOAC 985.29. On line 20th Ed. 2016

Referential information

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

CONTAMINANTS

LEAD	< 1 ppm	ICP – MS Atomic absorption
CADMIO	< 1 ppm	ICP – MS Atomic absorption
MERCURY	< 1 ppm	ICP – MS Atomic absorption
ARSENIC	< 2 ppm	ICP – MS Atomic absorption
PESTICIDES	According to the organic standard	GC-MSMS, LC-MSMS

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CHARACTERISTICS GAINED IN PROCESSING

SHELF LIFE

1 year, as long as the package is stored sealed at recommended conditions.

PACKAGING

Doble-Layered Polyethylene bag, containing 5 Kg into carton box of 10 Kg.
 Boxes of 54 x 36 x 20 cm / Pallets of 110 x 95 x 215 cm (until 500 Kg/pallet)



LABELING

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

RECOMMENDED USES

Yacon has a high content of inulin and FOS. It helps lessening blood sugar peaks from eating sweet foods and also has prebiotic effects.

STORAGE AND TRANSPORT CONDITIONS

Store in a clean, fresh and dry place at temperatures below 25° C or 77°F. Protect from sunlight.