Data Sheet

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Do not compare us with other substance..., we are willing to explain it to you...
During the last two decades we have designed and developed a specific process
We are producers of the substance

LignoKaña®

*LignoKaña is a **BIO** evolution of sugar molasses*
*High content of **organic carbon** and **vegetable protein***
*Made by a controlled yeast **fermentation** & posterior **refining***

Organic fertilizer NK
Liquid of vegetal origin
Category 2.5.01

Registered MAPA
nº: F 0001334/2030

Registered Organic.
nº: ***CAAE 26370***

Liquid Bulk:
** 25 TM by truck*
** 27 TM Isotank by ship*
** 23.5 TM flexitank by ship*
** 26 TM flexitank by ship*
** 40" Container with 18 IBC export*

Origin of the substance

It comes from an anaerobic fermentation with Saccharomyces Cerevisiae yeast, and a subsequent high concentration of extracts of Sugar Molasses juice.

It is a Condensed Molasses Solubles

It is a natural product, 100% plant extracts, carefully processed and produced in our factories from Salobreña (province of Granada, Spain).

During its manufacturing phase the product is subjected to works cycles in thermic systems in which ones the substance remains at a temperature of 80 ° C for 4 hours, implicitly producing a "Pasteurization" of the LignoKaña.

Product features: *100% plant origin extract* ***" zero residue "***

Fulvic acids: 25 %

Promote the acidification of the root environment and the activity of the microbiota.

COOH groups-- ph buffer, stabilize the pH of nutrients in the soil.

Vegetal protein: 18 %

Allows growth and development of cellular structures.

A vegetable protein content that has passed through a biological digestion phase, a relatively short chains in a clean balance of vegetable protein.

It is involved in protection against water stress and promotes protein synthesis.

Vegetal organic matter: 42 %

Concentrated liquid organic matter that nourishes the microbiota.

Promotes mixtures and improves nutrient solutions of fertilizers.

Its total humic extract is 100% fulvic acids

Nutrient solution for microorganisms.
Cations sequesterant, pH regulator.
Organic matter of immediate availability.
Raw material for biostimulants and nutritional fertilzers.

Orders Management:
(+34) 609 551 559
lignok@vinaza.es

AZUCARERA DEL GUADALFEO División C.M.S.

Technical Information:
(+34) 656 487 377
lignok@az-guadalfeo.com

Parameters (ranges in ministerial register)	**Specifications**
Procedure UE 2019/1009: Product Category CMC 6	
Presentation: Liquid	
Uses: Direct application to the soil, Preparation of nutrient solutions, In fertirrigation, Foliar application.	
Packaging: Bulk	
Nitrogen (N) Total	**2,0 - 4,0** % w/w
Organic Nitrogen	**1,7 - 4,0** % w/w
Potassium Oxide (K_2O)	**3,0 - 9,0** % w/w
N (total) + P_2O5 + K_2O	**6,0 - 13,0** % w/w
Total Organic Matter	**35,0 - 45,0** % w/w
Total Organic Carbon	**20,3 - 26,1** % w/w
Density	**1,2 - 1,3** Kg/liter
pH	**3,5 - 6,0**
Relation C/N (C organic / N organic)	**5,1 - 15,0**
Hydrosoluble Product (Art. 2.23 del R.D.)	**Yes**
Product classification del (annex V of the R.D.)	**A**
Microorganisms presence	**No**
Furfural	**No**
Phosphonic acid, fosetyl, fosetyl sum	**No**
Multiresidues	**No**
GMO	**No**
Organic carbon (C org) = organic matter × 0,56	
Organic Nitrogen = N. Total – (Ammoniacal N + Nitric N. + Ureic N.)	
Phosphorus (P) = phosphorus pentoxide (P_2O_5) × 0,436	
Potassium (K) = Potassium oxide (K_2O) × 0,830	
All parameters presented in these characterization sheets are supported by studies carried out in accredited	

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