

ANALITICA

Alga Kelp Bio

Número CAS: 84775-78-0

EINECS: 283-907-6

INCI: Ascophyllum nodosum power extract

Descripción: Ascophyllum nodosum, Ascophyllum nodosum (L.), Fucaceae

Funciones: se clasifica como acondicionador de la piel

LOTE: KE181107– CADUCIDAD: 30/05/2022

ANALYSIS

ACTIVE COMPOUNDS CONTENT ⁽¹⁾	Limit	Unit	Method
L-Fucose level*	-	%	Internal method (CEVA)
Sulfate level*	-	%	NF EN ISO 10304
L-Fucose + sulfate level*	> 30	%	Sum of results above

*Fucoidans are polysaccharides whose main monosaccharide is sulfated L-Fucose.

Therefore, addition of L-Fucose and sulfate level is representative of fucoidans level.

PHYSICAL/CHEMICAL CHARACTERISTICS	Limit	Unit	Method
Apparent density (at 20°C) D0 ⁽¹⁾	0.1 to 0.9	-	Eur. Ph.
Loss on drying ⁽¹⁾	< 10	%	Eur. Ph.
Solubility in water ⁽¹⁾	Soluble	-	Eur. Ph.
Particle size < 300 µm ⁽¹⁾	≥ 90	%	Eur. Ph.

CONTAMINANTS	Limit	Unit	Method
Formaldehyde-releasing	Not applicable		
Glycol ether	Not applicable		
Nitrosamines	Not applicable		
Volatile organic compounds	Not applicable		

HEAVY METALS	Limit	Unit ⁽²⁾	Method
Antimony ⁽²⁾	Absence	mg/kg	ICP
Cadmium ⁽¹⁾	≤ 0.5	mg/kg	NF EN ISO 11885 (ICP)
Chromium ⁽²⁾	Absence	mg/kg	ICP
Cobalt ⁽²⁾	Absence	mg/kg	ICP
Lead ⁽¹⁾	≤ 5	mg/kg	NF EN ISO 11885 (ICP)
Mercury ⁽¹⁾	≤ 0.1	mg/kg	Atomic fluorescence (IDHESA)
Mineral arsenic ⁽¹⁾	≤ 3	mg/kg	PR NF EN 15517
Nickel ⁽²⁾	Absence	mg/kg	ICP
Selenium ⁽²⁾	Absence	mg/kg	ICP
Silver ⁽²⁾	Absence	mg/kg	ICP
Strontium ⁽²⁾	Absence	mg/kg	ICP
Tin ⁽¹⁾	≤ 5	mg/kg	NF EN ISO 11885 (ICP)

OTHERS ⁽²⁾			
	Limit	Unit ⁽³⁾	Method
Iodine	≤ 5,000	mg/kg	Titrimetric (IDHESA)

PESTICIDES RESIDUES ⁽²⁾			
	Limit	Unit ⁽³⁾	Method
Carbamates	< 100	µg/kg/entity	GC/MS (IDHESA)
Organochlored	< 50	µg/kg/entity	GC/MS (IDHESA)
Organophosphored	< 50	µg/kg/entity	GC/MS (IDHESA)

(1) Standard control; (2) Under control plan; (3) Mass reported to dry matter

MICROBIOLOGY ⁽¹⁾			
	Limit	Unit	Method
<i>Candida albicans</i>	Absence	NF EN ISO 18416	In 1 g
<i>Pseudomonas aeruginosa</i>	Absence	NF EN ISO 22717	In 1 g
<i>Staphylococcus aureus</i>	Absence	NF EN ISO 22718	In 1 g
<i>Escherichia coli</i>	Absence	NF EN ISO 21150	In 1 g
Total viable aerobic mesophilic micro-organisms	≤ 100	NF EN ISO 21149 NF EN ISO 16212	CFU/g

OBSERVACIONES: Cumple Especificacion Fabricante

CONSERVACIÓN: En envase bien cerrado. Proteger de la luz y humedad.

CALIFICACIÓN: APTO

Laboratorios :Datos suministrados por el fabricante o distribuidor autorizado respecto a lo establecido en el Real Decreto 2259/1994

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