

PRODUCT SPECIFICATIONS

Product: OLIVE, DRY EXTRACT, 5% OLEUROPEIN

Product Code: N31400130

Botanical name: *Olea europaea* L.

Plant Part Used: Leaves

Description: Greenish brown powder with characteristic taste and odor**

Observations: *Olea europaea* L.: Olive extract - Feed additive for all animal species. Category: Sensory additives. Functional group: flavouring compounds.

ANALYSIS	SPECIFICATION	METHODS
Assay (%)	Min 5,0 Oleuropein	HPLC
Loss on drying (%)	≤ 8,0	Eu. Pharm c.v. (2.8.17)
Particle size (%)	Min 95% < 250 microns	Eu. Pharm c.v. (2.9.12)
Residual solvents		
Ethanol (ppm)	< 5000	Eu. Pharm. v.v. (2.4.24)
Microbiology		
Escherichia coli (1 g)	Absence	Eu. Pharm. v.v. (2.6.31)
Salmonella (25 g)	Absence	Eu. Pharm. v.v. (2.6.31)
Heavy metals*		
Lead (ppm)	≤ 3,0	Eu. Pharm. v.v. (2.4.27)
Arsenic (ppm)	≤ 2,0	Eu. Pharm. v.v. (2.4.27)
Mercury (ppm)	≤ 0,1	Eu. Pharm. v.v. (2.4.27)
Cadmium (ppm)	≤ 1,0	Eu. Pharm. v.v. (2.4.27)
Pesticides*	According to Directive 2002/32/EC and amendments	SANTE/12682/2019
Micotoxins**		
Aflatoxins B1 (ppb)	≤2.0	Eur. Pharm. (2.8.18)
Aflatoxins B1+B2+G1+G2 (ppb)	≤4.0	Eur. Pharm. (2.8.18)
Ochratoxin A (ppb)	≤10.0	Eur. Pharm. (2.8.22)
Dioxins (PCDDs y PCDDFs)* (ng WHO-PCDD/F-TEQ/kg)	≤0,75	USP (GC-MS)
Dioxins + Dioxins like PCBs * (ng WHO-PCDD/F-TEQ/kg)	≤1,25	USP (GC-MS)
Non-dioxin-like PCBs * (ug/kg)	≤10,0	USP (GC-MS)

Storage: Store in dry place and keep away from strong light and heat

Country of origin: Spain

Observations: * These parameters are determined in every three batches and at least once a year according to the sampling plan established in our HACCP system. **This is an herbal product; therefore, it is subject to color variations from batch to batch derived from natural, raw material color deviations. Color change has no effect on the quality, purity,

potency, chemical profile or efficacy of the product.

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