

CERTIFICATE OF ANALYSIS

ORGANIC ACTIVATED CHARCOAL

PURECOAL® - Activated charcoal (France)

From sweet chestnut wood - *Castanea sativa* Mill.

Organic farming certified FR-BIO-01


Certificate of analysis

Batch number

Shelf life: 07/2024

	Specification	Method	Results
Appearance	Powder with controlled particle size	Visual	Compliant
Colour	Black	Visual	Compliant
Nature	Carbonized wood activated by pressurized steam	Internal	Compliant
Odour	Odourless	Internal	Compliant
Selected reference	200B	Internal	Compliant
Final ratio (wood/activated charcoal)	5/1	Internal	Compliant
Active compound			
Fixed carbon	≥ 95 %	External	Compliant
Heavy metal/Purity			
Lead (Pb)	≤ 3 ppm	External	2 ppm
Arsenic (As)	≤ 2 ppm	External	≤ 2 ppm
Cadmium (Cd)	≤ 1 ppm	External	≤ 1 ppm
Mercury (Hg)	≤ 0.1 ppm	External	≤ 0.1 ppm
Pesticide residues	< Detection limit (Regulation (EC) 396/2005)	External	Not detected
PAHs	≤ 50 ppb	External	≤ 40 ppb
Benzo(a)pyrene	≤ 10 ppb	External	≤ 10 ppb
Aflatoxin (B1/B2/G1/G2)	≤ 4 ppb	External	Not detected
Microbiology			
Total plate count	< 10 000 CFU/g	Internal (NF ISO 4833)	Compliant
Yeasts & Moulds	< 100 CFU/g	Internal (AOAC 997.02)	Compliant
Enterobacteriaceae	< 100 CFU/g	External (NF ISO 21528-2 37°C)	< 10 CFU/g
Escherichia Coli (1 g)	Absence	External (Eur. Ph. 2000)	Not detected
Salmonella (25 g)	Absence	External (NF EN ISO 6579)	Not detected
Staphylococcus aureus (25 g)	Absence	External (Eur. Ph. 2000)	Not detected
Physical characteristics			
Loss on drying	≤ 5 %	Internal	3.4 %
Particle size	200 - 500 µm	Internal	200-500 µm
Ashes	≤ 4 %	Eur. Ph. (9.6)	4 %
Solubility (1 %)	Insoluble in water	Internal	Compliant
Tapped density at 1250 hits	0.2 - 0.5	Eur. Ph. (9.4)	0.4
Pore size	≥ 92 % micropores (< 2 nm) ≤ 8 % mesopores (2-50 nm)	Internal	Compliant
Specific area N.L.D.F.T. including B.E.T.	≥ 800 m ² /g ≥ 400 m ² /g	N.L.D.F.T. (H ₂ + N ₂) B.E.T. (N ₂)	Compliant Compliant
Adsorption capacity (phenazone)	15-25 %	Eur. Ph.	Compliant

STORAGE

Store in a dry place at room temperature in its original, intact packaging. The above information is based on our current knowledge.  cannot be held responsible outside the guarantees listed on its supplies. Due to the fact that it does not control the end use of this product. It is the buyer's responsibility to comply with local texts and laws regulating their activity and the use of this product.

Quality control department

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