

OLEASORB GAC-1000 S

PREMIUM GRANULAR ACTIVATED CARBON

For High Purity Applications

Olea Sorb GAC-1000 S is a premium-grade granular activated carbon with exceptional adsorption activity. Produced through an intensive steam activation of olive pomace, this grade possesses a very high specific surface area and an almost exclusively microporous structure.

This morphology is specifically designed to maximize the adsorption capacity for trace organic contaminants and low molecular weight molecules. Its high purity and mechanical strength make it the preferred choice for critical applications where maximum performance is non-negotiable.



Technical Specifications

Parameter	Specification	Test Method
Iodine Number	min. 1000 mg/g	ASTM D4607
Hardness (Ball-Pan)	min. 97 %	ASTM D3802
Moisture Content (as packed)	max. 5 %	ASTM D2867
Total Ash Content	max. 3 %	ASTM D2866

Typical Physical Properties

Parameter	Typical Value	Test Method
Methylene Blue Number	~ 230 mg/g	ASTM D4607
Specific Surface Area (BET)	~ 1050 m ² /g	ASTMD3663 / D6556
Apparent Density	~ 420 kg/m ³	ASTM D2854
pH	8 - 11	ASTM D3838

Typical Applications

Potable Water Treatment (Critical Applications): Advanced removal of emerging contaminants (PFAS, pharmaceutical residues) and disinfection by-product precursors.

Pharmaceutical and Chemical Industries: Process water purification (purified water), protection of catalysts and resins.

Beverage Industry: Dechlorination and deodorization for mineral waters and sodas, ensuring perfect organoleptic neutrality.

Domestic Filters (Point-of-Use / Point-of-Entry): Use in filter cartridges for maximum adsorption performance

Gold Recovery (Complex Ores): Recommended for low-grade ores or those with a "preg-robbing" effect, where high adsorption kinetics and capacity are crucial

Available Particle Sizes

- 6 x 12 mesh (3.36 - 1.68 mm)
- 8 x 30 mesh (2.36 - 0.60 mm)
- 12 x 30 mesh (1.70 - 0.60 mm)