

CENTAUR®

CENTAUR® is a vapor-phase virgin- activated carbon that has been manufactured to develop catalytic functionality. The product is unique in that it concentrates reactants via adsorption and then promotes their reaction on the surface of the pores. CENTAUR® is preferred for removal of H₂S (hydrogen sulfide), SO₂ (sulphur dioxide), NOx (nitrogen oxide), PH₃ (phosphine), and A₅H₃ (arsine). CENTAUR® is produced from bituminous

coal using a patented process. Although it is not impregnated with metals or alkali, it displays the catalytic function of these materials but does not present an exothermic or disposal problem. In most cases, the spent (used) CENTAUR® can be regenerated, ending your waste-generation liability. Standard mesh size is 4x6, but custom sizes are available upon request.

Test	Typical Values		Calgon Carbon Test Method
	Min	Max	
Ash, wt% (Note 1)	-	7	ASTM D 2866, TM-5
Density (Apparent), g/cc	0.56	-	TM-7, ASTM D 2854
Hardness Number (Note 1)	97	-	ASTM D 3802
Iodine Number, mg/g (Note 1)	800	-	TM-4, ASTM D 4607
Moisture (Apparent), g/cc	-	2	TM-1, ASTM D 2867
4 US Mesh [4.75 mm], wt%	-	15	TM-8, ASTM D 2862
< 7 US Mesh [2.80 mm] (PAN), wt%	-	8	TM-8, ASTM D 2862

Note 1: This test is performed on the base material or prior to impregnation as appropriate.

Safety Message

Activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed, including all applicable Federal and State requirements.

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Warranty Disclaimer

Calgon Carbon Corporation warrants that the Activated Carbon Centaur® will be free from defects in materials and workmanship for a period of 90 days following the date of purchase. In the event of a breach of this warranty, Calgon Carbon Corporation will, in its discretion, repair or replace any defective parts or the complete unit during the warranty period. This warranty does not apply to defects caused by (i) normal wear and tear, (ii) accident, disaster or event of force majeure, (iii) misuse, fault or negligence of or by Buyer, (iv) use of Activated Carbon Centaur® in a manner for which it is not designed, (v) external causes such as, but not limited to, power failure or electrical power surges, or (vi) improper storage and handling of the Activated Carbon Centaur®, EXCEPT AS EXPRESSLY PROVIDED IN THIS WARRANTY STATEMENT, CALGON CARBON CORPORATION DISCLAIMS ALL OTHER WARRANTIES, WHETHER STATUTORY, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. CALGON CARBON CORPORATION DOES NOT WARRANT THAT THE ACTIVATED CARBON CENTAUR® ARE ERROR-FREE OR WILL ACCOMPLISH ANY PARTICULAR RESULT. ANY ADVICE OR ASSISTANCE FURNISHED BY CALGON CARBON CORPORATION IN RELATION TO THE ACTIVATED CARBON CENTAUR® PROVIDED FOR HEREUNDER SHALL NOT GIVE RISE TO ANY WARRANTY OR GUARANTEE OF ANY KIND. THIS WARRANTY WILL TAKE PRECEDENCE OVER ANY AND ALL OTHER WARRANTIES UNLESS SPECIFICALLY DISCLAIMED AND REFERENCED BY CALGON CARBON CORPORATION.

ACTIVATED CARBON INTRODUCTION
ACTIVATED CARBON CENTAUR®

Calgon Carbon Corporation is constantly striving to improve its products and capabilities and to provide the best product to its customers. Calgon Carbon Corporation may from time to time develop product improvements or alterations (including, without limitation, revisions to product specifications), and may implement such Product Improvements without notice to the Buyer.

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