

Technical Data Sheet

CitcoWater.com



CHEMICAL
SOLUTIONS

Thorn Sorb

Activated Carbon Slurry

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ThornSorb is a medium activity powdered activated carbon slurry, specifically manufactured for the treatment of water for human consumption, in both municipal and industrial applications. This grade of activated carbon provides a high removal efficiency against a variety of aqueous pollutants, especially organic matter and taste and odor compounds. ThornSorb is available in a closely controlled particle size distribution to suit all downstream separation techniques. The material is compliant with international standards for activated carbon slurry products used in this application.



Certified to
NSF/ANSI/CAN 61

Specification

Iodine adsorption	min. 800 mg/g
Max use	250 mg/L
Total ash content	max. 15%
Moisture content	max. 5%
Apparent density, tapped	0.2 - 0.75 g/cc



Benefits

- High organic matter adsorption
- Excellent taste & odor removal
- Rapid adsorption kinetics
- Medium activity adsorbent
- Mesoporous product



Certifications

- AWWA B600
- ANSI/NSF61
- Halal and kosher certified
- ISO 9000:2008
- ISO 14001:2004



Available Particle Sizes

- < 100 mesh: >99%
- < 200 mesh: >95%
- < 325 mesh: >90%



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Problem Identification:	ThornSorb Solution:
Organics Removal	High Organics Removal Ability
Taste & Odor of Finished Water	Excellent Taste & Odor Removal of Geosmin
Other Aqueous Pollutants	Rapid Adsorption Chemistry
Hazards of Dry PAC	Liquid Form Eliminates Hazards of Dry Product
Material Handling	All Material Handling by CITCO Water
Maintenance of PAC Processing Equipment	CITCO Water-Owned Storage Tank, Mixer, and Metering Equipment Maintained by CITCO Water's Service Team

Product Optimization

CITCO Water's supply of activated carbon products is supported by industry-leading technical consultants. Our in-house expertise extends over many years of practical experience in the design and utilization of activated carbon in a variety of applications. CITCO Water can assist in the design, specification, and method of use of our products to achieve optimum treatment outcome performance.



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