

Technical Data Sheet

CitcoWater.com



CHEMICAL
SOLUTIONS

Thorn Sorb

Activated Carbon Slurry

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Activated Carbon Slurry

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 61

Specification

| | |
|--------------------------|-----------------|
| Iodine adsorption | min. 800 mg/g |
| 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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