



Filtration Separation Purification

PRODUCT DATA SHEET

Ecosorb® S-503

Ecosorb® S-503 is the next generation of Graver Technologies' S-Series high performance adsorbant products designed primarily for light to moderate color reduction. S-503 maintains the typical S-Series properties of a moist, non-dusting, multi-functional purification media that further enhances adsorption and filtration into a single product. Ecosorb® products utilize a proprietary method to affix fine particles of adsorption media onto an inert support. By combining the superior kinetics of fine particles with excellent flow characteristics, purification processes run longer and deliver better quality effluents than with standard treatment methods.

The high adsorption capacity of S-503 makes it extremely efficient for decolorization and for the elimination of objectional taste and odor compounds from a variety of food and beverage products. Typical applications include sugar processing, sugar alcohols, starch derived sweeteners and artificial sweeteners.

Ecosorb® S-503 can be used in a traditional slurry (batch or continuous) operation. When compared to earlier Ecosorb® S-Series products, up to 50% greater decolorization capacity with equivalent filter cycle life can be achieved. This further reduces solid waste generation, providing superior benefits when compared to the use of powder activated carbon (PAC).

Ecosorb® S-503 is also available as S-503RB, a heat treated version with reduced bioburden (yeast, mold, and bacteria).

Typical Properties

Appearance:	Moist powder aggregates
Color:	Predominately black with some white flecks
Functional Components:	Powdered Activated Carbon Cellulose Fiber
pH:	5.0 – 8.0
Total Moisture:	60 – 63%
Shelf Life:	S-503 – Two Years from Date of Manufacture S-503RB – One Year from Date of Manufacture
Packaging:	Available in 15 kgs (33 lbs); 60 bags per pallet

Ecosorb S-series raw materials comply with applicable food contact requirements
Ecosorb S-series products are Certified as Kosher and Pareve
Ecosorb S-series products are HALAL certified

For more information on Ecosorb® Multi-functional Adsorbent Media contact:

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