



Product Data Sheet:

Sweetener Processing and Purification: Filtration / Turbidity Removal

Product: FA5

CarboUA product **FA5** is a diatomaceous earth filtration aid specifically designed for purifying cane sugar, beet sugar, and starch-derived sweeteners such as glucose and HFCS. Product **FA5** is designed to produce a sparkling clear filtrate, and is designed for use in applications where the turbidity is already low (such as using **FA5** as a precoat on secondary filtration, after primary filtration). Additionally, **FA5** can be used as a mixture with CarboUA filter aid “**FA10**” on primary filtration (as body feed and/or as precoat) to produce a filtrate with very low turbidity in a single step filtration.

General Specifications

pH: 7 (10% slurry)

Bulk Density: 0.2 kg/L

Moisture: 1% max (as packed)

Median Particle Diameter 25 - 27 microns

Permeability (Darcy) 0.3 – 0.5

Lead (Pb) <5 mg/kg

Arsenic <5 mg/kg

Food Grade Applications

Carbo-UA FA5 meets the requirements of the US FDA for food processing under certain conditions, and meets the requirements for diatomaceous earth in the *Food Chemical Codex*, 4th edition.

Kosher Certification

Carbo-UA product FA5 is Kosher approved.

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General specifications are typical values for this product.

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