



## ***Product Data Sheet:***

***Sweetener Processing and Purification: Filtration / Turbidity Removal***

**Product: FA1**

CarboUA product **FA1** is a diatomaceous earth filtration aid specifically designed for purifying cane sugar, beet sugar, and starch-derived sweeteners such as glucose and HFCS. Product **FA1** is designed for maximum turbidity reduction to achieve filtrates of the highest clarity, and is designed for use in applications where the turbidity is already low (such as using **FA1** as a precoat layer on secondary filtration, after primary filtration). Product **FA1** is best used as a small precoat layer (~0.1 – 0.25 kg per square meter of filter area) placed on top of CarboUA filter aid “**FA10**” precoat on the secondary filtration stage.

### **General Specifications**

pH: 7 (10% slurry)

Bulk Density: 0.1 – 0.2 kg/L

Moisture: 1% max (as packed)

Median Particle Diameter 20 -22 microns

Permeability (Darcy) 0.1 – 0.2

Lead (Pb) <5 mg/kg

Arsenic <5 mg/kg

### **Food Grade Applications**

Carbo-UA FA1 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 FA1 is Kosher approved.

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General specifications are typical values for this product

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