

# Technical Data Sheet



## PRODUCT: FRS-3

### DESCRIPTION

Carbo-UA product **FRS-3** is a patent pending vegetable-based carbonaceous adsorbent specifically designed for superior clarification of sugar liquors/syrups.

It is formulated for use as a body-feed or batch contact addition prior to Flotation Clarification, Carbonation, or as a stand-alone Clarifying agent to provide substantially improved production efficiency and product quality via its supreme decolourisation abilities.

### APPLICATION METHOD

Carbo-UA **FRS-3** is best added at or near the Melt Station, with 10-20 minutes contact time prior to the existing Clarification or Carbonation process, prior to Filtration when it is used as a stand-alone Clarifying agent or at the filter supply tank after the last stage of saturation for Carbonation process. Additionally, CarboUA product **FRS-3** is extremely efficient in decolourising sweetwater, permanently removing a significant portion of sweetwater colour, thereby reducing melt liquor colour and achieving improved total process efficiency.

### GENERAL SPECIFICATIONS

Parameter	Value
<b>Decolourisation Capacity</b>	400 I.U. min. (CarboUA Method S-17)
<b>Δ pH</b>	± 0.5 max. (CarboUA Method S-18)
<b>Density</b>	0.4 – 0.6 kg/L (as packed in 20 kg bags)
<b>Moisture</b>	20 – 28 % as packed

### FOOD GRADE CERTIFICATIONS

**Carbo-UA FRS-3** meets the requirements of the US FDA for sugar processing under certain conditions, and all applicable raw materials meet the requirements of the *Food Chemical Codex*, fourth edition.

### KOSHER CERTIFICATION

**Carbo-UA FRS-3 product** is Kosher approved.

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General specifications are typical values for this product. Customized product specifications on individual customer's feed stocks can be tailored to insure performance consistency on an individual customer basis. Since the use of our products by others is beyond our control, no guarantee, expressed or implied, is made and no responsibility assumed for the use of this product and product information, or the results obtained there from.

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