



## **Product Data Sheet:**

**Sugar Processing and Purification: Juice Clarification in Sugar Mills**

**Product: FRS-2**

Carbo-UA product **FRS-2** is a carbonaceous adsorbent with proprietary sulphonyl acid group activity, specifically designed for superior clarification of raw juices in the Sugar Mill. It is formulated for use as an additive to the mixed (dilute) raw juice, or to alkalized juice. The unique properties of product **FRS-2** enable removal of a broad spectrum of organic and inorganic impurities, to achieve increased sugar recovery, improved quality raw sugars (for higher market premiums and/or for easier refining in integrated Mill/Refineries), and provide the flexibility to handle higher impurity raw juices that can occur sporadically due to crop conditions. And since the product is simply added to an existing point in the sugar mill production process, there is no extra process time and little or no capital equipment required to take advantage of the additional clarifying powers of **CarboUA FRS-2**.

### **General Specifications**

Decolourisation Capacity: 1,500 I.U. min (50 ppm on raw juice)

$\Delta$  pH:  $\pm 0.5$  max

Density: 0.8 – 1.2 kg/L (as packed in 20 kg bags)

Moisture: 5% max

### **Food Grade Certifications**

Carbo-UA FRS-2 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 product FRS-2 is Kosher approved.

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General specifications for decolourisation capacity and pH are based on performance on a raw juice of Carbo-UA's selection. Customized product specifications on individual customer's feedstocks can be tailored to insure performance consistency on an individual customer basis.

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