

# Technical Data Sheet



## PRODUCT: FRS-J

### DESCRIPTION

Carbo-UA product FRS-J is a patent-pending bleaching adsorbent 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-J 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.

Additionally, the product can potentially offer a replacement to the traditional sulfitation process, reducing the process hazards associated with traditional sulfitation, improving the microbiological action (Reducing bacteriological activity in the juice) as well as a potential reduction in lime dosing (and associated lime incrustation problems in the evaporators). 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-J.

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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.

### GENERAL SPECIFICATIONS

Parameter	Value
Decolourisation Capacity	2,000 I.U. min.
$\Delta$ pH	$\pm 0.5$ max. (100 ppm on raw juice)
Arsenic	3 ppm máx.(Method FCC)
Lead	4 ppm máx. (Method FCC)

### FOOD GRADE CERTIFICATIONS

CarboUA FRS-J 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

CarboUA FRS-J product is Kosher approved.

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