

Technical Data Sheet



PRODUCT: Super Decolorant MAJ

Sugar Processing and Purification: Clarification in Sugar Refineries

DESCRIPTION

Carbo-UA Decolorant "**Super MAJ**" products are high performance decolorant with proprietary activation, specifically designed for outstanding clarification and color removal of sugar liquors.

Carbo UA-MAJ products can be added in melted liquor and/or clarified liquor, enhancing clarification in both, phosphatation and carbonation refineries.

The patent pending "**Super MAJ**" products are formulated for use as a body-feed or batch contact addition in any raw sugar liquor/syrup prior to Flotation Clarification, after Carbonatation, or as a stand-alone Clarifying agent to provide substantially improved production efficiency and product quality via its ability to remove a wide array of impurities such as colour, ash, with an easy dosage.

Carbo UA-MAJ products complex with the lime addition of phosphatation or Carbonatation, and therefore do not require a separate filtration/removal stage.

The unique properties of **MAJ products** can enable a reduction in un-reacted lime to reduce ash and scaling problems associated with calcium. Additionally, **MAJ products** have been formulated to reduce the colour increase normally associated with evaporative processes such as those that occur in the crystallization process.

GENERAL SPECIFICATIONS

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|-------------------------------|--|
| Sugar Decolourisation: | 20 % min |
| pH: | 4 – 6.5 (1.0% in water) pH can be adjusted for application requirements |
| Arsenic: | 3 ppm max. (FCC Method) |
| Lead (Pb): | 4 ppm max. (FCC Method) |

FOOD GRADE CERTIFICATIONS

Carbo-UA MAJ products meet 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.

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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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