

TECHNICAL SPECIFICATIONS

Hydrated lime (food grade)

| | | |
|-----------------------------|--------|-------------------------|
| Available calcium hydroxide | min | 59% |
| Equivalent calcium oxide | min | 71.9% |
| Silica | max | 0.3% |
| Iron and aluminum oxide | max | 0.3% |
| Magnesia | traces | |
| Loss on ignition | max | 24% |
| Fineness | 100% | Through 300 mesh-sliest |

Phosphoric acid 85% food grade (pb & As-free)

| | | |
|--|-----------|-----|
| Arsenic as (AS) | 0.0001 | max |
| Heavy metal as (Pb) | 0.0006 | max |
| Fluoride | 0.001 | max |
| Sulfate | 0.002 | max |
| Easy oxide metal (H ₃ PO ₃) | 0.009 | max |
| Appearance | colorless | |

Caustic soda

| | | |
|---------------------------------|-------|-------------------|
| Caustic soda flakes | | (Na OH 99.5% min) |
| Na ₂ CO ₃ | 0.9% | max |
| NaCL | 0.15 | max |
| FeO ₃ | 0.007 | max |

SODA ASH

SODA ASH NA2CO3 (99.2%) in powder form free from dirt I insoluble matter in water: 0.03% max.

Aluminum sulphate (food grade) AL₂(SO₄)₃

| | |
|--------------------------------|---------------------|
| AL ₂ O ₃ | 17-18% (Food grade) |
| Iron Free | Max (0.005%) |
| Granulated | 2-12 mm size |
| Free from Pb and As | Max (0.0005%) |
| Insoluble matter | traces |

Flocculent (sepran AP 30 Equivalent)

Polyelectrolyte flocculating agent Suitable for juice clarification extremely high molecule weight

Density 650 kg/m³ min

Water soluble polymer

Trisodium phosphate

| | |
|---------------------------------|-------------|
| P ₂ O ₅ | 14.9 min |
| Na ₂ O | 19.3% |
| P.H | 11.0 – 13.5 |
| Na ₃ PO ₄ | 80% min |

RESIN (water softing)

| | |
|-------------------------|----------------------------------|
| Strong anionic form Na+ | |
| Shipping density (g/L) | 845-843 |
| Moisture Content | 47.3-47.2% |
| Total Capacity (meg/mL) | Min 2.0 (Salts pilling Capacity) |
| Effective Size mm | Min 0.40 |
| Screening Grading (m) | 1180-300 through 300 Max 1% |
| Apparent Density | 825g/Liter (App) |
| Whole bead Count | 90% Min |
| Operating Temp | 120 C Max |
| Operating pH Rang | 0-14 |

TALOFLOC (L) (LIQUID FORM)

High molecular weight polymer, suitable for the removal of color melting sugar.

TALOFLOTE

Acrylamide Na⁺ acrylate polymer white granular appearance (0.15-08 mm) particle size.

Hydrochloric Acid (HCL)

| | |
|---|-----------------------------------|
| Appearance | Liquid – Color Less |
| Specific gravity | 1.155 at 27 degree (1.19 at 20 C) |
| Hydrochloric Acid Content | 30% min |
| Sulphate (as H ₂ SO ₄) | 20mg/kg max |
| Iron (as Fe) | 10mg/kg max |
| Free chlorine and Bromine | 20 mg/kg max |

Resin (SYRUP)

| | |
|-------------------|---|
| Matrix | Poly Acrylic, Macro Porous, Reticulated With divinyl benzene |
| Functional group | Quaternary ammonium, strong base |
| Mobile ion | Chloride |
| Exchange capacity | Min.0.8 EQ/L (Total capacity CL-form) |
| Moisture | 66-72% CL-form |
| Density | 1.05-1.08 CL-form in water |
| Average size | 0.65 – 0.85 mm |

ACTIVATED CARBON

| | |
|---|-----------------|
| Specifications | SGL 8x30 |
| Mean particle Diameter | 1.5-1.7 mm |
| Iodine umber | 900mg/g (min) |
| Molasses Number | 200min |
| Moisture as packed by weight | 2% (max) |
| Abrasion Number | 75% (min) |
| Screen Sise by weight, US sieve series on 8 mesh | 15%(max) |
| Through 30 mesh | 25 kg poly bags |

MEDIA TYPE C

- Media Tylpe C TALO BONE CHAR
- De- ashing agent
- Highly Porous Material.
- Approxi Size 2.0 – 4.0mm

HODAC OIL

- Hoage CB-6
- None – ionic surfactant used as low grade masscuite
- Viscosity reducing agent

MILL SANITATION BIOCID

SAVE TO USE MILLING TANDAM