



ENZYCOLOR GO (J/R)

Aqueous amine-based polymer solution- a colour precipitating agent in juice / Melt clarification.

ENZYCOLOR GO addresses the challenge of high colour and turbidity in juice during sugar processing, which impacts sugar quality and yield. Efficient removal of colour bodies and suspended impurities is essential for improved processing and quality. It enhances coagulation of colour and colloidal matter, leading to improved clarity and better process efficiency.

Mode of Action

The product works as a cationic polymer that neutralizes negatively charged colour bodies and colloidal particles present in juice / Melt. This results in coagulation and precipitation of impurities, enabling efficient solid-liquid separation over a wide pH and temperature range.

Product Key Benefits

- Higher sugar yield with reduced colour and turbidity
- Final sugar colour reduction by 15–25% in juice, 35-45% in melt.
- Turbidity reduction by 45–50% in juice, 65-90% in melt.
- Improved solid-liquid separation across a wide pH range
- Consistent performance in juice clarification process

Product Application

- Enzycolor J-Juice clarification in sugar processing
- Enzycolor R-Raw sugar Melt clarification in sugar processing

Usage

Acts as a colour precipitant by coagulating colour and colloidal matter

Operational Conditions

- Effective pH Range: **4 – 9**
- Effective Temperature Range: **40 – 105°C**

Dosage

- Enzycolor Go J - 6–8 ppm on cane
- Enzycolor Go R - 90-110 ppm based on sugar solid (45-50%)

Product Characteristics

- Composition: Polymer solution
- Appearance: Clear, viscous, colourless to yellow liquid
- Molecular Weight: Low to medium
- Specific Gravity: ~1.25
- pH: 6–7
- Solid Content: 45–50%

Shelf Life

24 months (when stored below 25°C)

Product Packaging

- HDPE drums: 50 kg / 25 kg

Product Handling

- May exhibit toxicity towards fish; avoid contamination of water bodies
- Low corrosion to most materials; recommended materials include stainless steel, fiberglass, polyethylene, polypropylene, and epoxy-coated surfaces
- Aluminum may be adversely affected in some cases
- Spilled product is slippery, especially when wet
- Protect from frost
- Follow MSDS guidelines for safe handling and detailed precautions.



ISO 9001:2015 Certified | FSC 22000 Certified

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Certifications:

