

Product Information

ProClin® 200 Preservative for diagnostic reagents

Formulation

These numbers do not constitute specifications

- 5-Chloro-2-methyl-4-isothiazolin-3-one (RH-651)
- 2-Methyl-4-isothiazolin-3-one (RH-573)
- Magnesium nitrate
- Cupric nitrate
- Water

Manufacturing specifications

- **Appearance:** clear, light blue liquid
- **Color (APHA):** 100 maximum
- **pH:** 1.7 - 3.7
- **Total Active Ingredients (%):** 1.5 - 1.6
 - 5-Chloro-2-methyl-4-isothiazolin-3-one: total A.I. (%) 1.150 minimum
 - 2-Methyl-4-isothiazolin-3-one (%): 0.350 minimum
 - 5-Chloro-2-methyl-4-isothiazolin-3-one: total A.I. (ratio) 74.5 - 75.5
 - Copper nitrate (%): 0.15 - 0.17
 - Magnesium nitrate (%): 1.4 - 2.7

Physical properties

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- **Density (lb/gal):** 8.4
- **Specific gravity:** 1.02
- **Odor:** mild (aromatic)
- **Solubility in water:** completely soluble
- **Viscosity (25 °C):** 3 cps
- **Evaporation rate (Butyl acetate = 1):** < 1

Typical use levels

- **0.05 - 0.10% (w/w):** (0.05 - 0.10 g ProClin 200 per 100 g of solution)

Shelf life (25 °C)

- 18 months from date of manufacture

Ordering information

Description	Cat. No.
ProClin 200 preservative	
50 mL bottle	48171-U
400 mL bottle	500380
3.6 L bottle	500399
15 L pail	500402
ProClin reference standard	
1 mL ampule (1.5% A.I. solution)	33360-U