

Formamide, Deionised,**PG-6060-500ml**

Deionised Formamide is a high-purity, nuclease-free reagent widely used in molecular biology, nucleic acid hybridization, sequencing, electrophoresis, and RNA research applications. Formamide lowers the melting temperature (T_m) of nucleic acid duplexes, enabling hybridization and denaturation reactions to be performed under milder conditions while maintaining high specificity. Deionised Formamide is specially purified to remove ionic contaminants that may interfere with sensitive molecular biology procedures.

Parameter Specification**Product Name** Formamide, Deionised**Chemical Name** Methanamide**Molecular Formula** CH_3NO **Molecular Weight** 45.04 g/mol**Appearance** Clear, colorless liquid**Purity (GC)** $\geq 99.5\%$ **Deionisation Grade** Molecular Biology Grade**Conductivity** $\leq 20 \mu\text{S/cm}$ **Water Content** $\leq 0.5\%$

DNase Activity None Detected

RNase Activity None Detected

Protease Activity None Detected

CAS Number 75-12-7**Density (20°C)** 1.13 g/mL**Boiling Point** 210°C**Safety**

Harmful if inhaled, swallowed, or absorbed through skin. Suspected carcinogen. May cause liver, kidney, and central nervous system damage following prolonged or repeated exposure. Use in a well-ventilated area and wear appropriate PPE including gloves, lab coat, and safety goggles. Avoid contact with skin, eyes, and clothing. Store away from heat and incompatible materials.