



RISHABH RESINS & CHEMICALS

(AN ISO 9001:2015 CERTIFIED COMPANY)

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Technical Specifications of Cardanol

Product Name: Cardanol (Natural Phenol from Cashew Shell Oil)
3-[(E)-pentadec-8-enyl] Phenol

CAS No: 37330-39-5

Chemical Formula: $C_6H_4(OH)R$, where $R=C_{15}H_{28-34}$

Form: Transparent liquid from light yellow to light brown colour (pale amber)

Colour: Between 8-10 (On Gardener Scale)

Mass Fraction of Active Agent: Not less than 95%

Density: Between 0.927-0.935 g/sm³ (at 30° C)

Boiling Point: $\leq 370^\circ C$

Melting Point: $\leq 50^\circ C$

Water Content Mass: Not more than 1%

Ash-content: Almost Nil

Iodine Value: Between 230-250 (Catalytic method)

Acid Value: Not more than 5

Hydroxyl Value: Between 180-200

pH Value: ≤ 6

Soluble: In Benzol or Toluene

Coefficient of Refraction: 1.5

Viscosity @ 30 °C: Between 45-60 cps