

## SPECIFICATION

### Trimethyl Chitosan

Parameters	Specification
CAS Number	52349-26-5
Appearance	White powder
Molecular Formula	C <sub>11</sub> H <sub>27</sub> ClN <sub>2</sub> O <sub>4</sub>
Molecular Weight	100000 g/mol
Boiling Point	350 °C
Melting Point	200 °C
Flash Point	400 °C
Purity	95–98%
Refractive Index	1.53
Solubility	Soluble in water under acidic conditions; insoluble in neutral and basic water
Uses	Drug delivery carrier; mucoadhesive formulation; gene delivery; biomaterials

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