

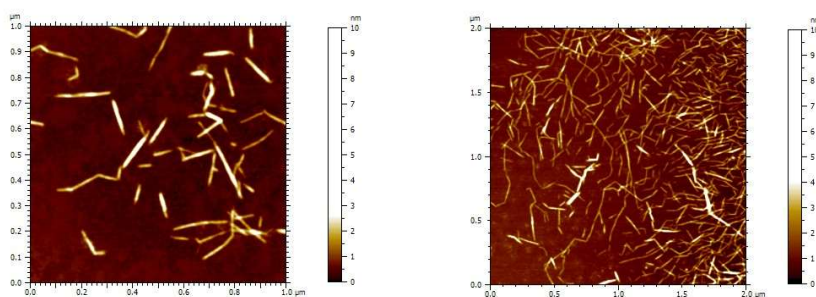
Product Specification

Information

Product name	Re:ancel® T-CNF Hydrogel (Type I)
Product description	TMEPO-mediated oxidized, sterilized cellulose nanofiber hydrogel
CAS No.	Cellulose (9004-34-6) (Manufactured nanofibrillar form)
EC No.	Cellulose (232-674-9)

Specification

Appearance	Optically transparent, Odorless, Aqueous gel
Surface property	Hydrophilic
Solids	2.0 %
Viscosity	> 80,000 cP (at 6 rpm 25°C)
Carboxylate Contents	1.9 ~ 2.1 mmol/g cellulose
pH	pH 6 ~ 8
Conductivity	< 2.0 mS/cm
Turbidity	< 10 NTU
Zeta potential	< -50 mV
Average fiber size	Width : < 6 nm
	Length : < 500 nm
Ionic impurity	Na ⁺ < 250 mg/L
	Br ⁻ < 10 mg/L
	Cl ⁻ < 15 mg/L
	ClO ₃ ⁻ < 1 mg/L



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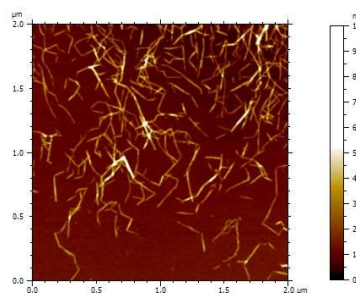
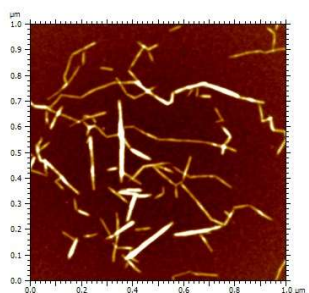
Product Specification

Information

Product name	Re:ancel® T-CNF Hydrogel (Type II)
Product description	TMEPO-mediated oxidized, sterilized cellulose nanofiber hydrogel
CAS No.	Cellulose (9004-34-6) (Manufactured nanofibrillar form)
EC No.	Cellulose (232-674-9)

Specification

Appearance	Optically transparent, Odorless, Aqueous gel
Surface property	Hydrophilic
Solids	2.0 %
Viscosity	> 60,000 cP (at 6 rpm 25°C)
Carboxylate Contents	1.6 ~ 1.8 mmol/g cellulose
pH	pH 6 ~ 8
Conductivity	< 1.5 mS/cm
Turbidity	< 15 NTU
Zeta potential	< -45 mV
Average fiber size	Width : < 6 nm
	Length : < 700 nm
Ionic impurity	Na ⁺ < 100 mg/L
	Br ⁻ < 5 mg/L
	Cl ⁻ < 10 mg/L
	ClO ₃ ⁻ < 1 mg/L



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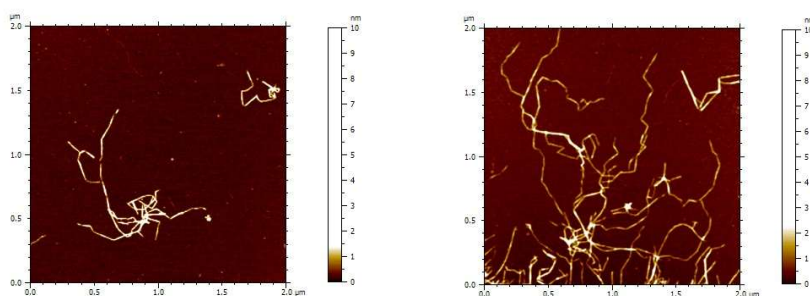
Product Specification

Information

Product name	Re:ancel® T-CNF Hydrogel (Type III)
Product description	TMEPO-mediated oxidized, sterilized cellulose nanofiber hydrogel
CAS No.	Cellulose (9004-34-6) (Manufactured nanofibrillar form)
EC No.	Cellulose (232-674-9)

Specification

Appearance	Optically transparent, Odorless, Aqueous gel
Surface property	Hydrophilic
Solids	2.0 %
Viscosity	> 20,000 cP (at 6 rpm 25°C)
Carboxylate Contents	1.1 ~ 1.3 mmol/g cellulose
pH	pH 6 ~ 8
Conductivity	< 1.0 mS/cm
Turbidity	< 30 NTU
Zeta potential	< -30 mV
Average fiber size	Width : < 6 nm
	Length : < 900 nm
Ionic impurity	Na ⁺ < 50 mg/L
	Br ⁻ < 2.5 mg/L
	Cl ⁻ < 5 mg/L
	ClO ₃ ⁻ < 0.5 mg/L



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