Supporting Information

The use of solvent-soaking treatment to enhance the anisotropic mechanical properties of electrospun nanofiber membranes for water filtration

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Wave number (cm ⁻¹)		Assignment
BC	B-CA	_
3332	3490	OH stretching
	2952	CH stretching of CH2
2901	2901	
1734		C=O stretching of acetyl or carboxylic acid
	1745	C-O stretching of ester
		H-O-H bending of absorbed water and/or C=O stretching
1641		amid
	1639	H-O-H bending of absorbed water
1423	1435	CH2 bending or OH in plane bending
1368	1372	C-H deformation (CH3 or OH in plane bending)
	1236	C-O stretching of acetyl group
1162	1165	C–O–C antisymmetric bridge stretching
1024	1037	C-O-C symmetric stretching of primary alcohol
883	902	β glucosidic linkages between the sugar units

Table S1 Assignments of main infrared absorption bands in cellulosic materials

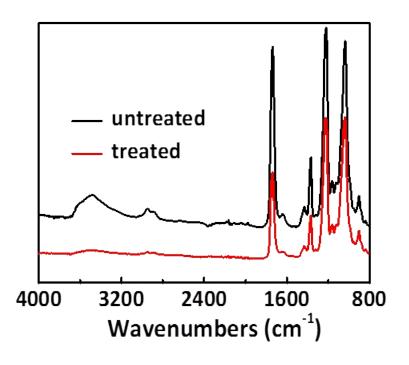


Figure S1 ATR-FTIR spectrum of B-CA NFMs (treated and untreated)