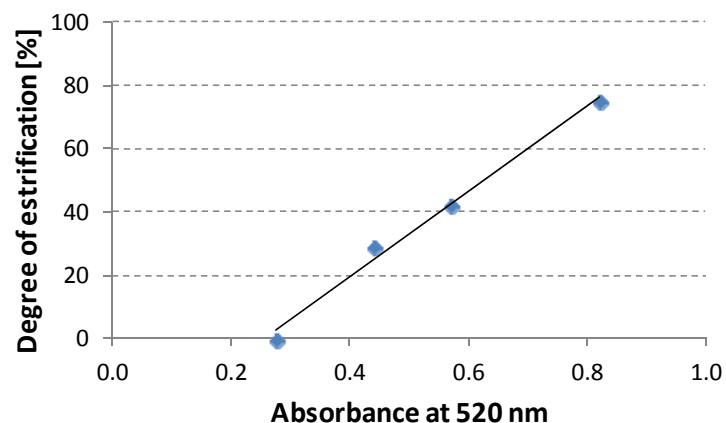


SUPPORTING INFORMATIONS



Supporting Figure 1. The calibration curve establishes a correlation between the absorbance of pectin powders read with UV/Vis spectroscopy at 520 nm and the degree of esterification measured by titration.

Supporting Table 1. Parameters obtained after fitting the experimental data with Carreau and Cross models.

Carreau model	η_0 (Pa s)	η_∞ (Pa s)	τ_{CA} (s)	M	R^2
pectin	0.0950	-45.936	0.107	2.1 E-04	0.99
oxi-pectin	0.039	-2.411	0.003	0.001	0.96
RGD-pectin	0.025	0.027	0.001	3.144	0.94
Cross model	η_0 (Pa s)	η_∞ (Pa s)	τ_{CR} (s)	m	R^2
pectin	0.112	-0.039	2.6 E-04	0.283	0.99
oxi-pectin	0.040	-0.313	1.1 E-07	0.443	0.97
RGD-pectin	0.025	0.027	0.002	1.681	0.94

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