

Physicochemical, toxicologic and hemostatic properties of chitosan-PEG gels loaded with *Jatropha mollissima* (Pohl) Baill. ethanolic extract

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Supplementary Material

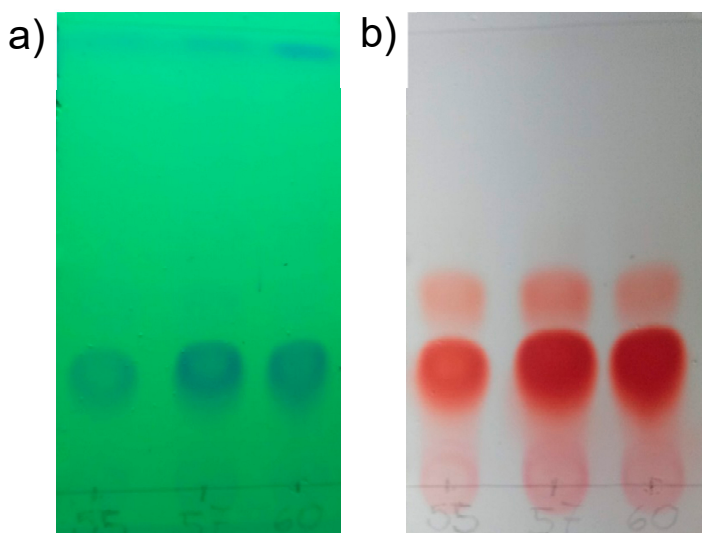


Figure S1.: Thin layer chromatography (TLC) plates of fraction A9 from ethyl acetate fraction (EAF). TLC plates revealed by UV (254 nm) (a) and Phosphoric Vanillin plus heating (b). Mobile phase: 7:3 (Dichloromethane:Ethyl Acetate).

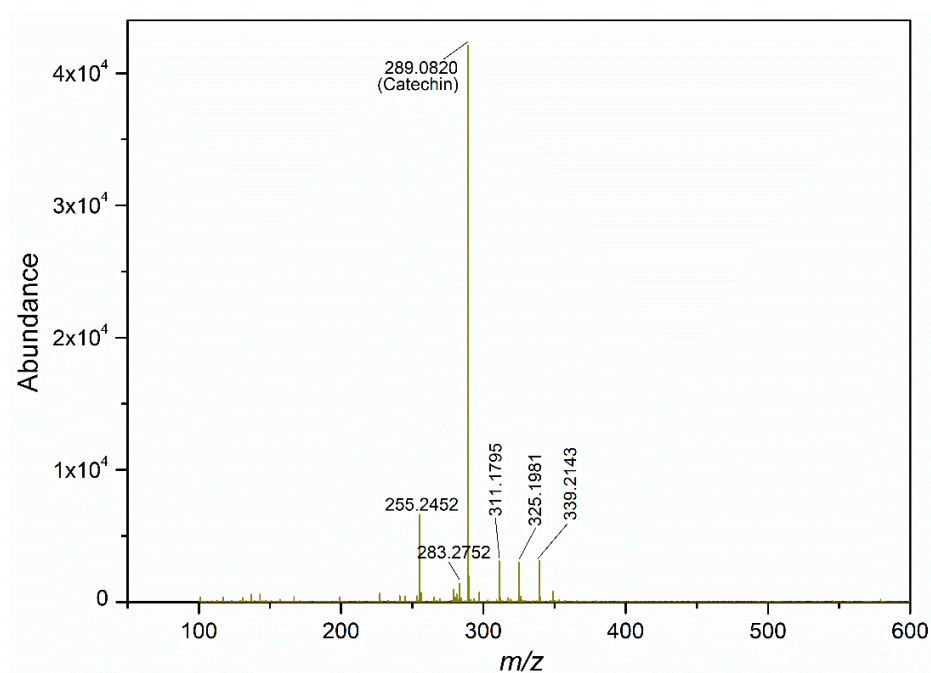


Figure S2.: Mass spectrum obtained by ESI in negative mode of fraction A9 from EAF.

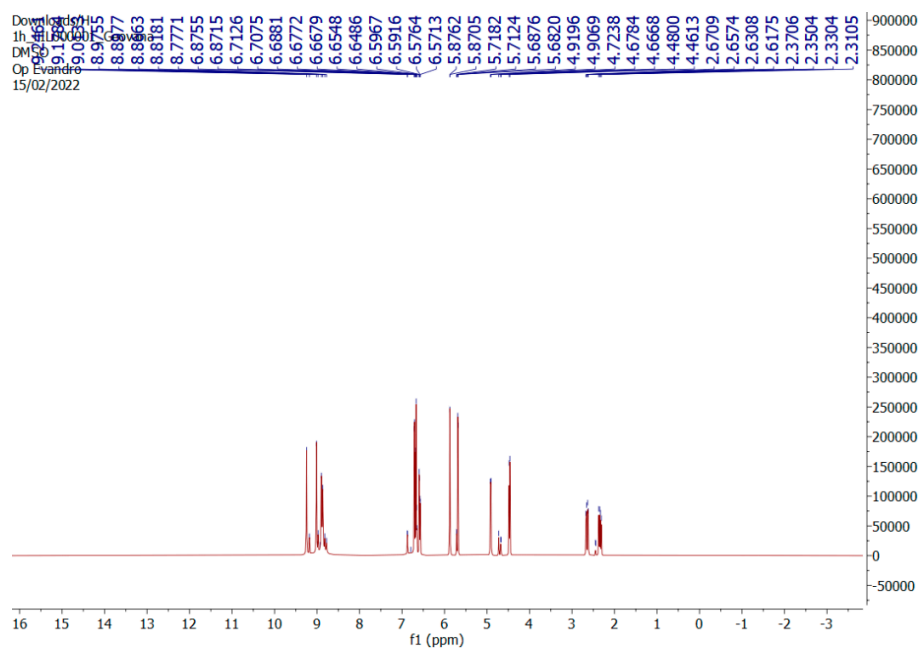


Figure S3.: NMR ^1H spectrum of fraction A9 from EAF in $\text{dms}\text{-d}_6$ at 25 °C.

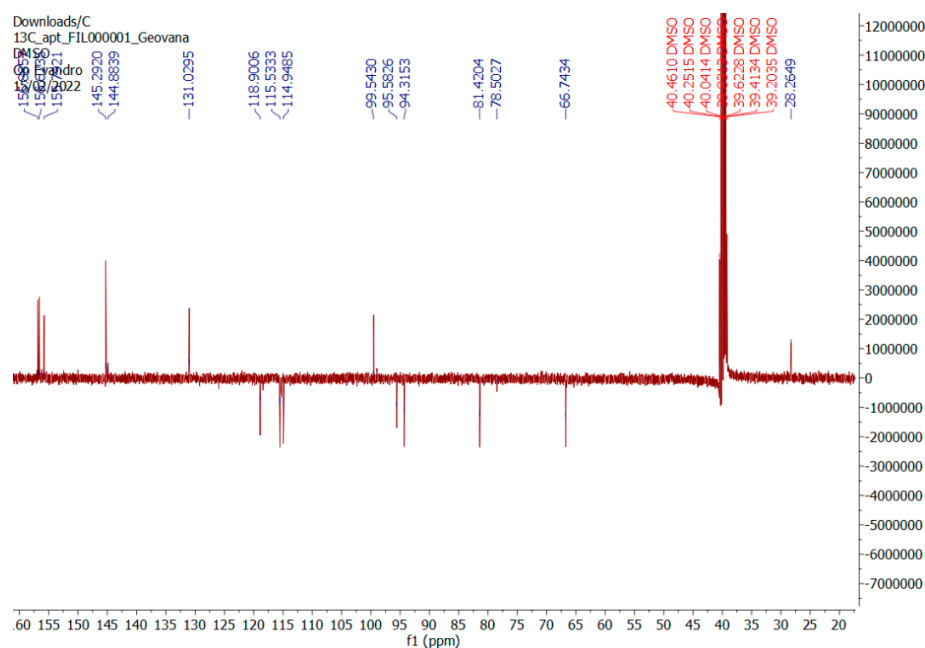


Figure S4.: NMR ^{13}C spectrum of fraction A9 from EAF in dmso- d_6 at 25 °C.

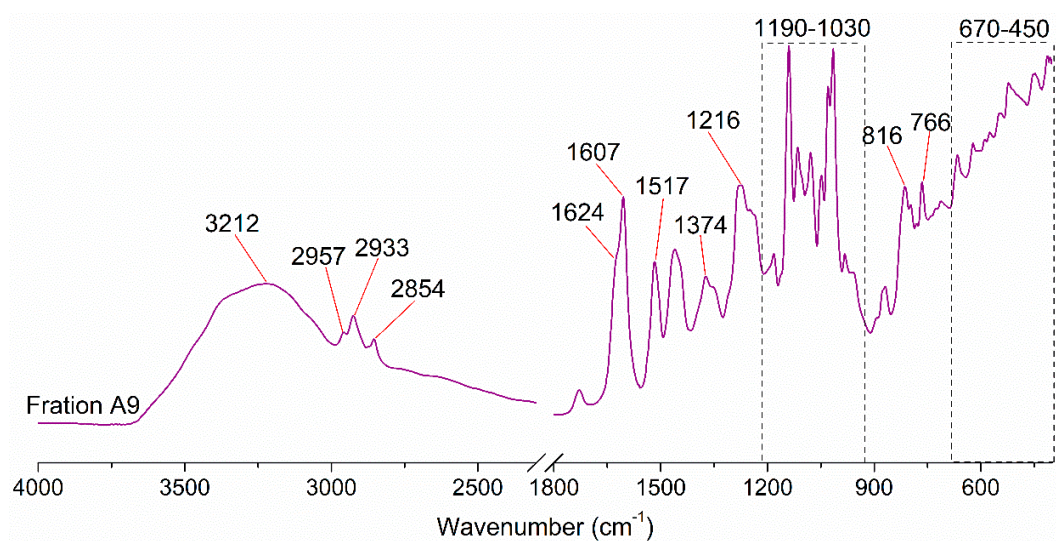


Figure S5.: FTIR spectrum of fraction A9 from EAF.

Table S1.: Catechin purity data determined by calculating its relative area on HPLC–DAD chromatogram.

Peak	Retention Time (RT)	Relative Area (%)	Purity (%)
1	17.82	1.48	-
2	18.67	5.12	-
3	19.58	1.90	-
4*	20.18	79.42	79.42
5	23.13	12.08	-

*Peak 4 – Catechin.

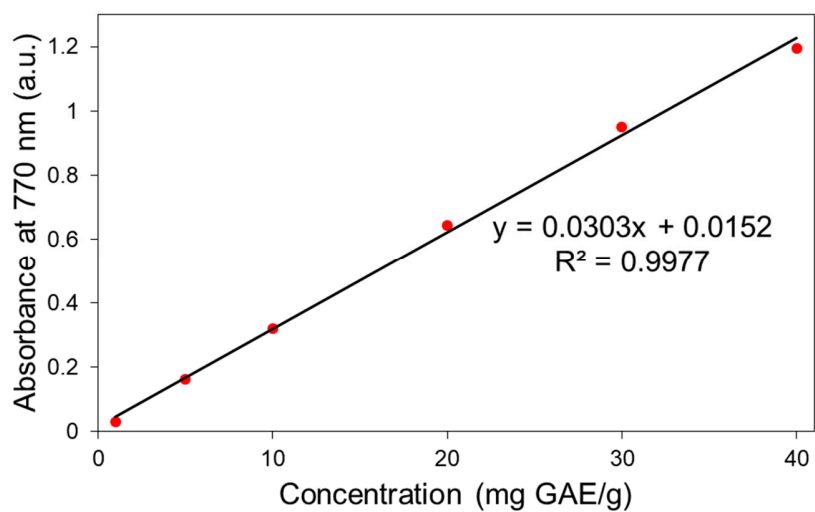


Figure S6.: Calibration curve obtained with the gallic acid standard for quantification of total polyphenols by UV-VIS spectroscopy. Detection at 770 nm.

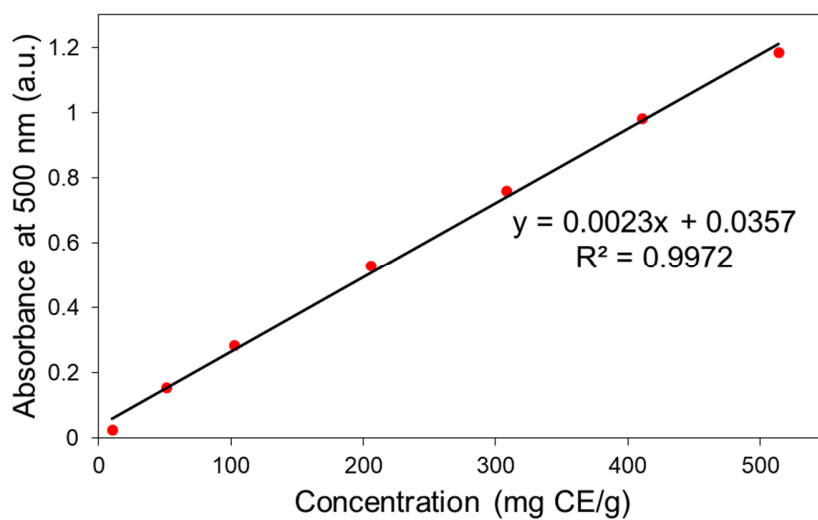


Figure S7.: Calibration curve obtained with the catechin standard for quantification of total condensed tannins by UV-VIS spectroscopy. Detection at 500 nm.

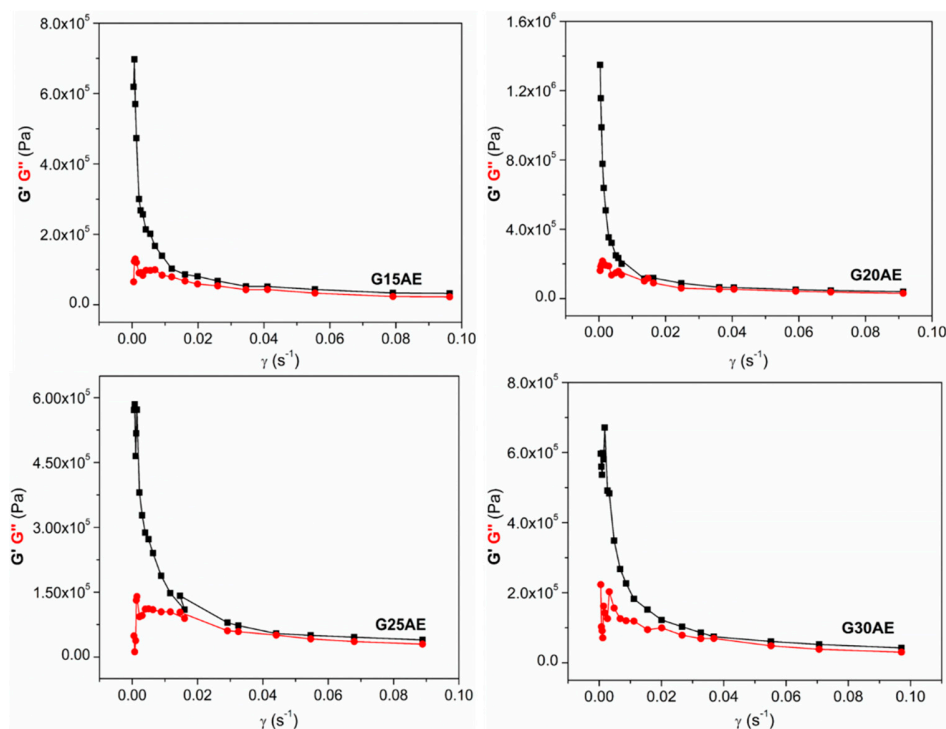


Figure S8.: Elastic (G') and plastic (G'') loss modulus of CS-PEG-EES gels prepared with acetic acid at 25 °C.

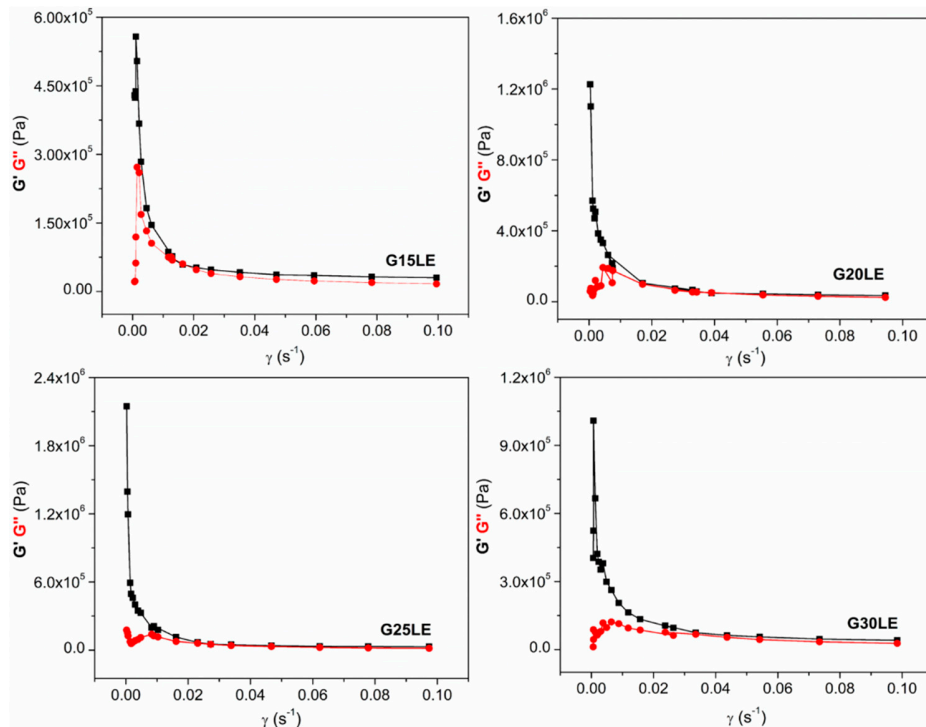


Figure S9.: Elastic (G') and plastic (G'') loss modulus of CS-PEG-EES gels prepared with lactic acid at 25 °C.

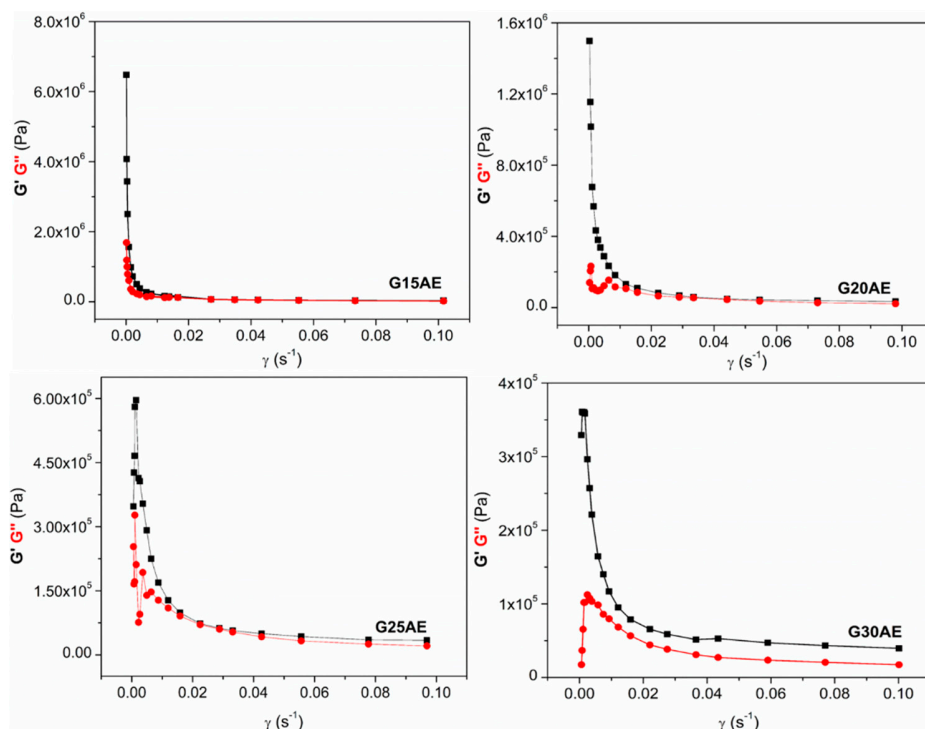


Figure S10.: Elastic (G') and plastic (G'') loss modulus of CS-PEG-EES gels prepared with acetic acid at 37 °C.

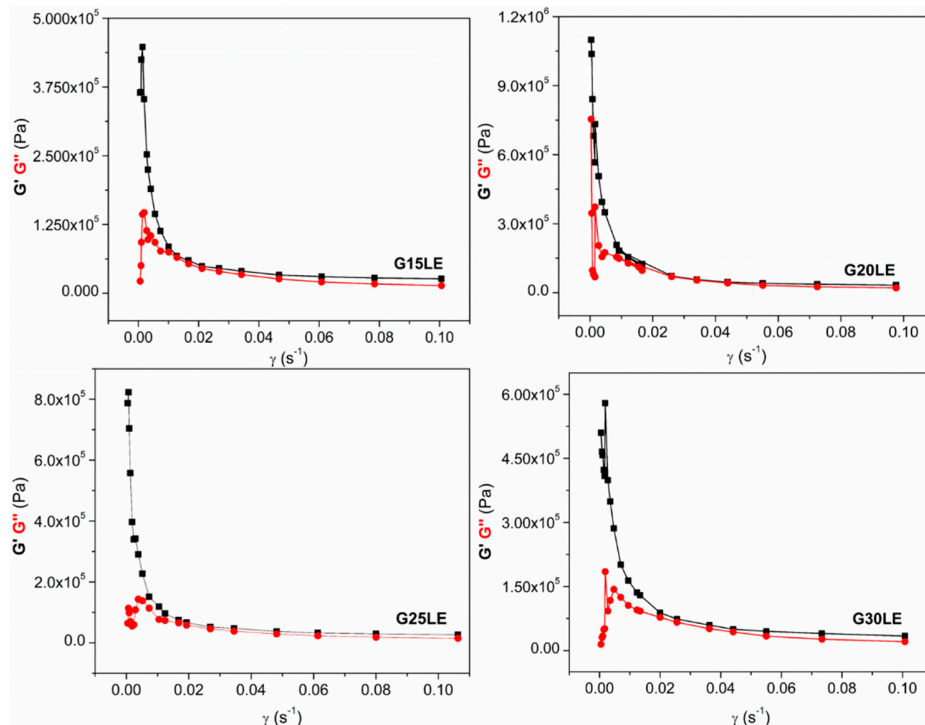
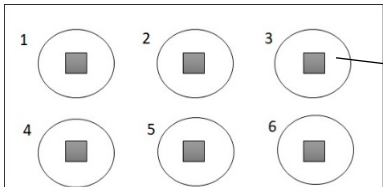
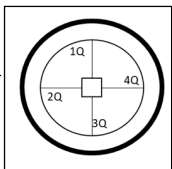


Figure S11.: Elastic (G') and plastic (G'') loss modulus of CS-PEG-EES gels prepared with lactic acid at 37 °C.

Table S2.: Cytotoxicity classification of the G30AE, G30LE, negative and positive controls obtained by agar diffusion test.

obtained by agar diffusion test.

ILLUSTRATION OF THE SAMPLE ON PETRI PLATE								
Samples								
		PLATE READING - SAMPLES						
	Hole/Q*	1Q (mm)	2Q (mm)	3Q (mm)	4Q (mm)	A**(cm)	OA*** (cm):	Results
G30AE	1	0	0	0	0	0	0	<input checked="" type="checkbox"/> Satisfactory
	2	0	0	0	0	0		<input type="checkbox"/> Unsatisfactory
	3	0	0	0	0	0		<input type="checkbox"/> Repeat
G30LE	4	0	0	0	0	0	0	<input checked="" type="checkbox"/> Satisfactory
	5	0	0	0	0	0		<input type="checkbox"/> Unsatisfactory
	6	0	0	0	0	0		<input type="checkbox"/> Repeat
PLATE READING - Controls								
	Hole/Q*	1Q (mm)	2Q (mm)	3Q (mm)	4Q (mm)	A**(cm)	OA*** (cm):	Results
Positive Control	1	8	8	9	9	0.85	0.875	<input type="checkbox"/> Satisfactory
	4	10	9	9	8	0.90		<input checked="" type="checkbox"/> Unsatisfactory
Negative Control	2	0	0	0	0	0	0	<input checked="" type="checkbox"/> Satisfactory
	5	0	0	0	0	0		<input type="checkbox"/> Unsatisfactory
Blank	3	–	–	–	–	–	–	<input type="checkbox"/> Satisfactory
	6	–	–	–	–	–		<input type="checkbox"/> Unsatisfactory
								<input type="checkbox"/> Repeat

*Quadrant **Average ***Overall Average