

Supplementary Materials: Figure S1: Schematic setup experimental design.

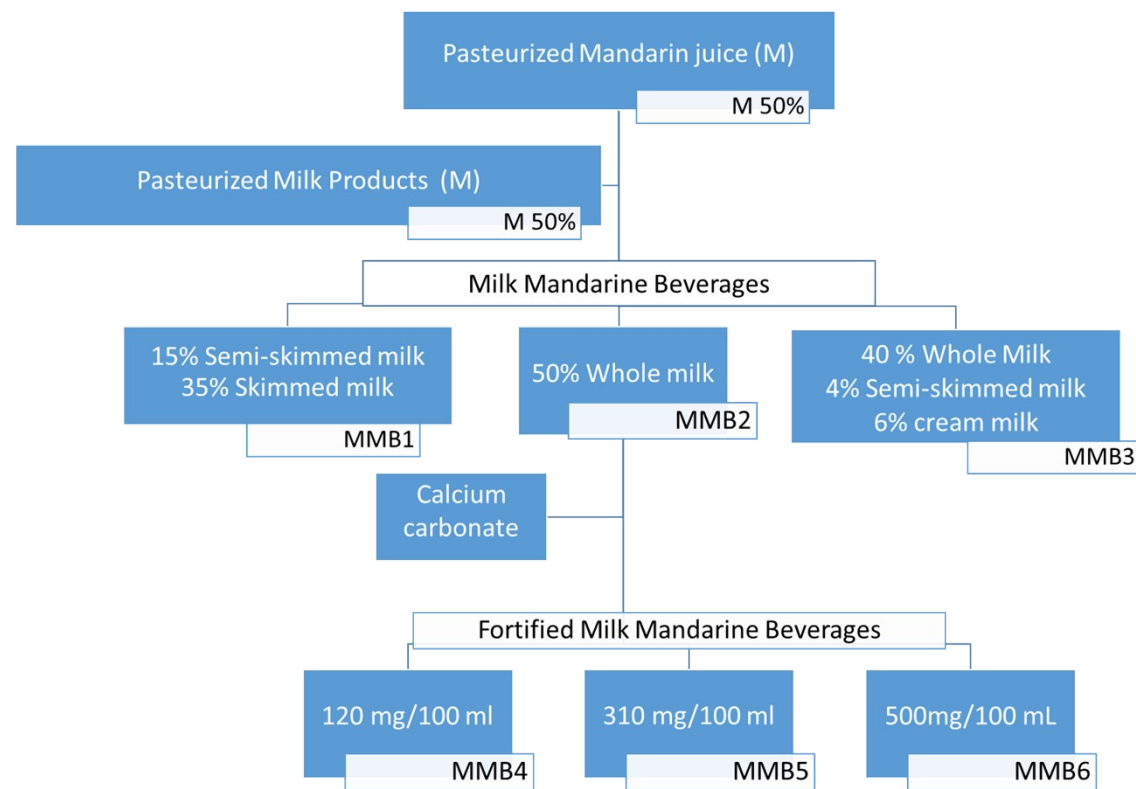


Table S1: Linearity, limits of quantification and detection (LOQ and LOD), and precision (repeatability and reproducibility) for the polyphenols analytical method.

	Retention Time (min)	Compound	Wavelength (nm)	Regression equation	R^2 (a)	LOD (b) (μg)	LOQ (c) (μg)	Intra-day (n=3)	Inter-day (n=18)
Phenolic Compounds									
HCA	7.821	<i>Caffeic acid</i>	320	$y = 3141.53x + 2.11$	0.9987	0.001	0.001	1.77	3.16
	9.179	<i>p-coumaric acid</i>	320	$y = 4062.04x + 3.66$	0.9999	0.001	0.001	1.31	1.80
	9.882	<i>Ferulic acid</i>	320	$y = 3687.28x + 2.04$	0.9999	0.001	0.001	1.34	1.49
	10.048	<i>Sinapic acid</i>	320	$y = 3160.65x + 8.156$	0.9999	0.001	0.001	1.37	1.58
FLV	14.417	<i>Apigenin</i>	320	$y = 1772.74x + 2.50$	0.9939	0.002	0.006	2.22	3.54
FLN	11.411	<i>Naringenin</i>	280	$y = 2154.57x + 1.28$	0.9995	0.001	0.001	1.28	2.54
	11.617	<i>Hesperidin</i>	280	$y = 860.73x + 0.80$	0.9992	0.002	0.006	0.52	2.47
	11.892	<i>Naringin</i>	280	$y = 807.71x + 0.29$	0.9995	0.001	0.002	0.43	1.08
	13.430	<i>Dydimin</i>	280	$y = 1100.79x + 0.463$	0.9997	0.001	0.001	0.98	1.25

Values are expressed as means \pm standard deviation; R^2 (a): coefficient of determination, LOD^(b): limit of detection; LOQ^(c): limit of quantification. FLV = flavones, FLN = flavanones, HCA = hydroxycinnamic acids