

**Supplementary Table S1.** *Estimated parameters of Gordon-Taylor model left block and Tg measured at different  $a_w$  for reference powders made of maltodextrin, maltodextrin-gum arabic and gum arabic;*

	Tg (°C)	$k$	$R^2$	E (%)	Tg(°C)		
					$a_w0.44$	$a_w0.53$	$a_w0.65$
<b>MD</b>	131.86	6.15	0.994	6.74	53.04	37.71	31.03
<b>MD-GA</b>	99.48	3.70	0.999	3.40	47.17	38.03	28.14
<b>GA</b>	164.55	6.62	0.999	2.34	52.93	37.94	23.02