

Supplementary Table S2. Weight loss of reconstituted tobacco sheets with varying additions of Na salt (N1-N5) or K salt (K1-K5) in thermo-weightlessness process.

Sample	The 1 st weightlessness stage				The 2 nd weightlessness stage				The 3 rd weightlessness stage				Weight loss (100-300 °C)%
	$T_s^a/^\circ\text{C}$	$T_f^b/^\circ\text{C}$	$T_m^c/^\circ\text{C}$	Weight loss/%	$T_s/^\circ\text{C}$	$T_f/^\circ\text{C}$	$T_m/^\circ\text{C}$	Weight loss/%	$T_s/^\circ\text{C}$	$T_f/^\circ\text{C}$	$T_m/^\circ\text{C}$	Weight loss/%	
KB	35	105	60	2.10	105	235	199	18.07	235	375	328	44.29	31.11
N1	36	103	63	3.02	103	226	212	16.72	226	366	313	41.45	36.85
N2	36	107	66	1.76	107	236	215	19.53	236	356	301	34.55	40.58
N3	36	107	60	1.44	107	234	203	21.55	234	347	292	32.91	45.27
N4	36	114	65	3.46	114	228	195	17.70	228	343	290	36.45	46.19
N5	36	115	63	2.57	115	237	212	19.67	237	343	292	34.32	46.30
K1	36	105	57	4.40	105	229	196	15.39	229	365	316	41.69	33.54
K2	36	105	64	1.70	105	243	211	19.61	243	360	310	35.74	37.53
K3	36	106	57	4.95	106	232	201	16.62	232	350	302	36.78	39.19
K4	36	108	64	3.06	108	242	213	20.37	242	345	296	31.38	41.75
K5	36	111	66	5.46	111	243	215	20.94	243	340	292	30.34	43.57

^a T_s , initial temperature; ^b T_f , final temperature; ^c T_m , maximum weight loss rate temperature.