

Tab S 10: *Brazil Arabica* drum/tangential roasting series with extreme profiles; T1: first partial roast, T2: final r

Degree of roast	Color SKT	profile	time [Sek]		RV/ORV [%]	AA [µg/kg]	Furan [µg/kg]	2-MF [µg/kg]	3-MF [µg/kg]	2,5-DMF [µg/kg]	Σ Furanes [µg/kg]
Sudden temperature rise											
light	130	P1	916		14,7/4,5	307	2000	5510	320	370	8200
medium	109	P3	1240		15,6/5,4	120	3490	14470	610	910	19480
dark	81	P1	580		17,3/7,1	167	4550	22250	790	1400	28990
dark	79	P1	1199		18,3/8,1	122	5850	37380	1290	2300	46820
dark	84	P3	620		16,4/6,2	78	4790	22970	1030	1810	30600
Double roast											
light	130	P1	458	717	14,1/3,2	303	2690	7660	420	520	11290
light	130	P2	333	1170	14,2/3,2	257	2860	8510	420	600	12390
light	129	P3	468	582	18,2/5,3	457	2977	11473	522	1141	16113
dark	80	P2	93	293	18,2/7,3	392	4949	30610	1041	2952	39552
dark	81	P1	294	540	15,8/4,9	230	4577	25418	875	2119	32988
dark	79	P2	364	570	23/12,1	168	4562	34887	823	2720	42992