

Table S 16: Brazil Arabica hot air roasting of pretreated samples

Degree of roast	Colour SKT	Profile	Time [sec]	RV/ORV [%]	AA [$\mu\text{g}/\text{kg}$]	Furan [$\mu\text{g}/\text{kg}$]	2-MF [$\mu\text{g}/\text{kg}$]	3-MF [$\mu\text{g}/\text{kg}$]	2,5-DMF [$\mu\text{g}/\text{kg}$]	Σ Furans [$\mu\text{g}/\text{kg}$]
DCM decaff										
Light	118	P3	602	14,5/3,6	639	2190	6150	290	390	9020
Light	120	P3	1285	14,5/3,6	519	2110	4890	230	290	7520
DCM Referenz										
Light	132	P3	602	15,0/4,6	727	3126	9423	498	894	13940
Light	129	P3	1270	17,5/3,6	424	3066	11076	461	1108	15711
DCM decaff										
Dark	65	P1	570	24,5/ 13,6	332	3908	21312	639	1883	27741
Dark	75	P2	1200	20,8/9,8	371	4150	20990	690	1120	26950
DCM reference										
Dark	72	P1	585	22,5	303	3913	19556	652	1916	26037
Dark	62	P2	1229	22,5	164	5256	32368	1105	3366	42095
steamed										
Light	136	P3	305	13,8/5,2	453	1947	5037	220	202	7406
Light	129	P3	1273	12,5/2,7	379	1230	5008	180	242	6660
Light	132	P1	640	11,3/3,9	740	1099	3897	157	143	5296
Not steamed										
Light	116	P3	305	13,8/4,3	877	2799	6501	328	374	10002
Light	138	P3	1230	12,5/3,0	527	2243	8215	315	521	11293
Light	126	P1	611	11,3/1,8	545	2478	6381	284	284	9427
steamed										
Dark	72	P1	619	20,0/ 11,4	232	4365	25706	724	1884	32679
Dark	71	P2	306	18,8/ 10,2	343	3687	20678	665	1843	26873
Degree of roast	colour SKT	profile	time [sec]	RV/ORV [%]	AA [$\mu\text{g}/\text{kg}$]	Furan [$\mu\text{g}/\text{kg}$]	2-MF [$\mu\text{g}/\text{kg}$]	3-MF [$\mu\text{g}/\text{kg}$]	2,5-DMF [$\mu\text{g}/\text{kg}$]	Σ Furane [$\mu\text{g}/\text{kg}$]
Dark	72	P2	1247	17,5/8,9	228	4504	25401	671	1733	32308
Not steamed										
Dark	76	P1	609	20,0/5	387	6753	39055	1347	3649	50804
Dark	76	P2	300	18,8/9,3	318	4377	20671	805	1556	27409
Dark	74	P2	1260	17,5/8,0	391	4676	26845	793	2071	34385