

**Supplementary Table S1: Concentration and Attributes of Substances in Sample Analysis**

Sample	Nicotine concentration (mg/ml)	Nicotine	Taurine	Caffeine	Vit E	CBD
1202_18_0241	10.4442	1	0	0	0	0
1301_18_0179	< 5ppm	0	0	0	0	0
1301_18_0187	3.265	1	0	0	0	0
S18FD00652_001	*	0	0	1	0	0
S18FD00653_001	*	1	0	0	0	0
S18FD00654_001	*	1	0	0	0	0
S18FD00658_001	*	0	0	1	0	0
S18FD00659_001	*	1	0	0	0	0
S18FD00660_001	*	1	0	0	0	0
S18FD00661_001	*	1	0	0	0	0
S18FD01082_001	0	0	0	0	0	0
S18FD01083_001	0	0	0	0	0	0
S18FD01087_001	0	0	0	0	0	0
S18FD01091_001	< 5ppm	0	0	0	0	0
S18FD01092_001	0	0	0	0	0	0
S18FD01094_001	0	0	0	0	0	0
S18FD01095_001	0	0	0	0	0	0
S18FD01110_001	5.6451	1	0	0	0	0
S18FD01116_001	6.0407	1	0	0	0	0
S18FD01118_001	4.4365	1	0	0	0	0
S18FD01122_001	10.2392	1	0	0	0	0
S18FD01123_001	10.7496	1	0	0	0	0
S17FD00986_001	% declared dose NICOTINE (103.880 %), Mean Content NICOTINE (11.4271 mg/unit), NICOTINE	1	0	0	0	0

S17FD00988_001	% declared dose NICOTINE (95.960 %), Mean Content NICOTINE (10.5555 mg/unit), NICOTINE	1	0	0	0	0
S17FD00989 001	% declared dose NICOTINE (102.080 %), Mean Content NICOTINE (16.3328 mg/unit), NICOTINE	1	0	0	0	0
S17FD00992_001	% declared dose NICOTINE (99.500 %), CAFFEINE, Mean Content NICOTINE (17.9104 mg/unit), NICOTINE	1	0	0	0	0
S17FD00993_001	CAFFEINE	0	0	1	0	0
S17FD00994_001	% declared dose NICOTINE (77.820 %), Mean Content NICOTINE (9.3389 mg/unit), NICOTINE	1	0	0	0	0
S17FD00995_001	CAFFEINE	0	0	1	0	0
S17FD0996 001	% declared dose NICOTINE (106.970 %), Mean Content NICOTINE (6.4183 mg/unit), NICOTINE	1	0	0	0	0
S17FD00998_001	% declared dose NICOTINE (104.440 %), Mean Content NICOTINE (12.5322 mg/unit), NICOTINE	1	0	0	0	0
S17FD0999 001	Negative	0	0	0	0	0
S17FD01001 001	% declared dose NICOTINE (102.660 %), Mean Content NICOTINE (12.3187 mg/unit), NICOTINE	1	0	0	0	0
S17FD01002_001	Negative	0	0	0	0	0
S17FD01003_001	% declared dose NICOTINE (103.570 %), Mean Content NICOTINE (18.6420 mg/unit), NICOTINE	1	0	0	0	0

S17FD01004_001	% declared dose NICOTINE (100.750 %), Mean Content NICOTINE (6.0448 mg/unit), NICOTINE	1	0	0	0	0
S17FD01005_001	% declared dose NICOTINE (103.750 %), CAFFEINE, Mean Content NICOTINE (12.4495 mg/unit), NICOTINE	1	0	1	0	0
S17FD01006_001	CAFFEINE	0	0	1	0	0
S17FD01007_001	CAFFEINE	0	0	1	0	0
S17FD01008_001	0	0	0	0	0	0
S17fd01009 001	0	0	0	0	0	0
S17FD01010_001	% declared dose NICOTINE (89.270 %), Mean Content NICOTINE (10.7119 mg/unit), NICOTINE	1	0	0	0	0
S17FD01011 001	0	0	0	0	0	0
S17FD01012_001	% declared dose NICOTINE (118.550 %), Mean Content NICOTINE (14.2264 mg/unit), NICOTINE	1	0	0	0	0
S17FD01015_001	0	0	0	0	0	0
S17FD01017_001	% declared dose NICOTINE (104.200 %),Mean Content NICOTINE (18.7559 mg/unit), NICOTINE	1	0	0	0	0
S17FD01018_001	% declared dose NICOTINE (101.750 %), Mean Content NICOTINE (18.3157 mg/unit), NICOTINE	1	0	0	0	0
S17FD01019_001	% declared dose NICOTINE (94.070 %), Mean Content NICOTINE (11.2886 mg/unit), NICOTINE	1	0	0	0	0
S17FD01020 001	0	0	0	0	0	0

S17FD01021_001	% declared dose NICOTINE (102.820 %), Mean Content NICOTINE (12.3384 mg/unit), NICOTINE	1	0	0	0	0
S17FD01022_001	% declared dose NICOTINE (103.500 %), Mean Content NICOTINE (6.2099 mg/unit), NICOTINE	1	0	0	0	0
S17FD01023_001	% declared dose NICOTINE (100.090 %), Mean Content NICOTINE (6.0053 mg/unit), NICOTINE	1	0	0	0	0
S17FD01024_001	CAFFEINE, Identification NICOTINE (Negative)	0	0	1	0	0
S17FD01025_001	% declared dose NICOTINE (102.080 %), CAFFEINE, Mean dose/unit NICOTINE (12.249 mg/unit), NICOTINE	1	0	0	0	0
S17FD01026_001	0	0	0	0	0	0
S17FD01027_001	% declared dose NICOTINE (105.620 %), Mean Content NICOTINE (12.6739 mg/unit), NICOTINE	1	0	0	0	0
S17FD01028_001	0	0	0	0	0	0
S17FD01029_001	% declared dose NICOTINE (108.310 %), Mean Content NICOTINE (12.9969 mg/unit), NICOTINE	1	0	0	0	0
S17FD01030_001	0	0	0	0	0	0
S18FD00656-001		1	0	0	0	0
S18FD1088_001	0	1	0	0	0	0
S18FD1093_001	0	0	0	0	0	0
S18FD1097_001	2.452	1	0	0	0	0
S18FD1099_001	2.829	1	0	0	0	0
S18FD01103-001	6.773	1	0	0	0	0
S18FD1104_001	6.061	1	0	0	0	0

S18FD1105_001	2.803	1	0	0	0	0
S18FD1106_001	5.397	1	0	0	0	0
S18FD1107_001	5.7644	1	0	0	0	0
S18FD01109-001 (	44,262	1	0	0	0	0
S18FD1111_001	5.5544	1	0	0	0	0
S18FD1112_001	5.269	1	0	0	0	0
S18FD01113-001	5.8732	1	0	0	0	0
S18FD01114-001	5.8619	1	0	0	0	0
S18FD1115_001	6.7644	1	0	0	0	0
S18FD1119_001	*	1	0	0	0	0
S18FD1120_002	*	1	0	0	0	0
S18FD1121_003	*	1	0	0	0	0
S18FD1124_001	*	1	0	0	0	0
S18FD1125_005	*	1	0	0	0	0
S18FD1128_001	*	1	0	0	0	0
S18FD1131_001	18.3041	1	0	0	0	0
S18FD1132_001	12.043	1	0	0	0	0
S19FD2696_001	0	0	0	0	0	0
S19FD2698_001	0.0000	0	0	0	0	0
S19FD2700_001	5.6021	1	0	0	0	0
S19FD2701_001	18.1896	1	0	0	0	0
S19FD2702_001	19.2181	1	0	0	0	0
S19FD2703_001	18.1589	1	0	0	0	0
S19FD2705_001	12.8506	1	0	1	0	0
S19FD2706_001	12.3301	1	0	0	0	0
S19FD2710_001	11.3264	1	0	0	0	0
S19FD2711_001	18.5494	1	0	0	0	0
S19FD2712_001	19.1316	1	0	0	0	0
S19FD2713_001	2.8388	1	0	0	0	0
S19FD2714_001	10.4602	1	0	0	0	0
S19FD2715_001	20.1244	1	0	0	0	0

S19FD2716_001	6.012	1	0	0	0	0
S20FD2969_001	0	0	0	0	0	0
S20FD2970	0	0	0	0	0	0
S20FD2971_001	<LOQ	1	0	0	0	0
S20FD2972_001	11.2169	1	0	0	0	0
S20FD2973_001	5.4456	1	0	0	0	0
S20FD2974_001	5.6979	1	0	0	0	0
S20FD2975_001	5.4482	1	0	0	0	0
S20FD2979_001	5.7092	1	0	0	0	0
S20FD2980_001	5.6999	1	0	0	0	0
S20FD2981_001	6.9827	1	0	0	0	0
S20FD2982_001	22.8184	1	0	0	0	0
S20FD2983_001	0	0	0	0	0	0
S20FD2984_001	11.4845	1	0	0	0	0
S20FD2985_001	20.5109	1	0	0	0	0
S20FD2986_001	6.1002	1	0	0	0	0
S20FD2987_001	0	0	0	0	0	0
S20FD2988_001	0	0	0	0	0	0
S20FD2989_001	0	0	0	0	0	0
S20FD2990_001	12.1079	1	0	0	0	0
S20FD2991_001	12.2687	1	0	1	0	0
S20FD2992	0	0	0	0	0	0
S20FD2993_001	<LOQ	1	0	0	0	0
S20FD2995_001	0	0	0	0	0	0
S21FD3026	10.22	1	0	0	0	0
S21FD3027	5.87	1	0	0	0	0
S21FD3028	6.04	1	0	0	0	0
S21FD3030	*	1	0	0	0	0
S21FD03031	5.95	1	0	0	0	0
S21FD03032	12.66	1	0	0	0	0
S21FD3033	19.47	1	0	0	0	0

S21FD3034	*	1	0	0	0	0
S21FD3036	0	0	0	0	0	0
S21FD03037	0	0	0	0	0	0
S21FD03038	0	0	0	0	0	0
S21FD03040	13.53	1	0	0	0	0
S21FD3042	20.02 ( $\pm$ 0.96)	1	0	0	0	0
S21FD03043	2.81	1	0	0	0	0
S21FD03044	5.43	1	0	1	0	0
S21FD03046	5.24	1	0	0	0	0
S21FD03049	5.95	1	0	0	0	0
S21FD03050	10.50	1	0	0	0	0
S21FD3051	0	0	0	0	0	0
S21FD3052	4.63	1	0	0	0	0
S21FD03053	0	0	0	0	0	0
S21FD03054	0	0	0	0	0	0
S21FD03055	0.18	1	0	0	0	0
S21FD3076	*	1	0	0	0	0
S21FD3778	*	1	0	0	0	0
S21FD3780	*	1	0	0	0	0
S21FD3781	*	1	0	0	0	0
S21FD3782	*	1	0	0	0	0
S21FD3783	*	1	0	0	0	0
S21FD03784	*	1	0	0	0	0
Sample_001	5.87	1	0	1	0	0
Sample_002	6.04	1	0	1	0	0
Sample_003	5.95	1	0	1	0	0
Sample_004	19.47	1	0	1	0	0
Sample_005	7.28	1	0	1	0	0
Sample_006	0	0	0	1	0	0
Sample_007	0	0	0	1	0	0
Sample_008	0	0	0	1	0	0

Sample_009	0	0	0	1	0	0
Sample_010	13.53	1	0	1	0	0
Sample_011	10.50	1	0	1	0	0
Sample_012	0	0	0	1	0	0
Sample_013	0	0	0	1	0	0
Sample_014	0	0	0	0	0	1
Sample_015	<LOQ	0	0	0	0	1
Sample_016	11.2169	1	0	0	0	1
Sample_017	5.4456	1	0	0	0	1
Sample_018	5.7092	1	0	0	0	1
Sample_019	5.6999	1	0	0	0	1
Sample_020	6.9827	1	0	0	0	1
Sample_021	0	0	0	1	0	1
Sample_022	11.4845	1	0	0	0	1
Sample_023	20.5109	1	0	0	0	1
Sample_024	12.1079	1	0	0	0	1
Sample_025	12.2687	1	0	0	0	1
Sample_026	<LOQ	0	0	0	0	1
Sample_027	0	0	0	0	1	0
Sample_028	0	0	0	0	1	0
Sample_029	0	0	0	0	1	0
Sample_030	0	0	0	0	1	0
Sample_031	2.452	1	0	0	1	0
Sample_032	2.452	1	0	0	1	0
Sample_033	6.061	1	0	0	1	0
Sample_034	2.803	1	0	0	1	0
Sample_035	5.8619	1	0	0	1	0
Sample_036	6.7644	1	0	0	1	0
Sample_037	6.0407	1	0	0	1	0
Sample_038	12.043	1	0	0	1	0
Sample_039	0	0	1	0	0	0



Sample_040	0	0	1	0	0	0
Sample_041	5.6979	1	1	0	0	0
Sample_042	5.4482	1	1	0	0	0
Sample_043	0	0	1	0	0	0
Sample_044	0	0	1	0	0	0
Sample_045	0	0	1	0	0	0
Sample_046	0	0	1	0	0	0
Sample_047	10.22	1	1	0	0	0
Sample_048	0	0	1	0	0	0
Sample_049	18.85	1	1	0	0	0
Sample_050	5.95	1	1	0	0	0
Sample_051	0	0	1	0	0	0
Sample_052	0	1	0	0	0	0
Sample_053	0	1	0	0	0	0
Sample_054	0	1	0	0	0	0
Sample_055	0	1	0	0	0	0
Sample_056	0	1	0	0	0	0
Sample_057	0	1	0	0	0	0
Sample_058	0	1	0	0	0	0
Sample_059	0	1	0	0	0	0
Sample_060	0	1	0	0	0	0
Sample_061	0	1	0	0	0	0
Sample_062	0	1	0	0	0	0
Sample_063	0	1	0	0	0	0
Sample_064	0	1	0	0	0	0
Sample_065	0	1	0	0	0	0
Sample_066	0	1	0	0	0	0
Sample_067	0	1	0	0	0	0
Sample_068	0	1	0	0	0	0
Sample_069	0	1	0	0	0	0
Sample_070	0	1	0	0	0	0

Sample_071	0	1	0	0	0	0
Sample_072	0	1	0	0	0	0
Sample_073	0	1	0	0	0	0
Sample_074	0	1	0	0	0	0
Sample_075	0	1	0	0	0	0
Sample_076	0	1	0	0	0	0
Sample_077	0	1	0	0	0	0
Sample_078	0	1	0	0	0	0
Sample_079	0	1	0	0	0	0
Sample_080	0	1	0	0	0	0
Sample_081	0	1	0	0	0	0
Sample_082	0	1	0	0	0	0
Sample_083	0	1	0	0	0	0
Sample_084	0	1	0	0	0	0

\* = no of samples on which GC was  
not carried out, but used in the  
experiment

1 =Present in the sample.

0= Absent in the sample