

Table S1. Content of rutin and rosmarinic acid in extracts obtained with different solvents and under different conditions

Type of solvent	Extraction parameters		Rutin ($\mu\text{g}/\text{mg}$)	Rosmarinic Acid ($\mu\text{g}/\text{mg}$)	DPPH Inhibition (%)
	Water Content (%)	Temperature of Extraction ($^{\circ}\text{C}$)			
ChCl-U	10	30	2.67 ± 0.70 BCD	0.92 ± 0.05 wxy	13.07 ± 1.35 w
		50	9.47 ± 0.57 m-r	5.66 ± 0.61 c-j	66.30 ± 1.22 m-p
		70	9.56 ± 0.92 m-q	7.42 ± 1.20 ab	84.49 ± 1.36 f
	30	30	4.45 ± 1.03 ^{y-B}	1.61 ± 0.45 t-y	50.15 ± 2.20 r
		50	10.80 ± 0.69 ⁱ⁻ⁿ	6.80 ± 0.09 ^{a-d}	76.92 ± 1.34 ^{hi}
		70	9.63 ± 0.16 ^{l-q}	7.85 ± 0.32 a	82.61 ± 1.02 ^{fg}
	50	30	7.25 ± 0.76 ^{r-w}	5.21 ± 0.57 ^{e-l}	77.40 ± 0.86 ^{hi}
		50	9.30 ± 1.22 ^{n-s}	6.57 ± 0.11 ^{a-f}	78.09 ± 3.02 ^{gh}
		70	8.24 ± 0.37 ^{o-u}	7.40 ± 0.11 ab	75.48 ± 3.02 ^{hij}
ChCl-Sor	10	30	1.40 ± 0.03 ^{CD}	1.34 ± 0.01 t-y	24.92 ± 0.43 u
		50	6.01 ± 1.04 ^{u-y}	3.26 ± 0.58 ^{n-s}	68.24 ± 0.43 ^{l-o}
		70	10.39 ± 0.50 ^{j-p}	5.44 ± 0.78 ^{d-k}	71.83 ± 1.55 ^{ikl}
	30	30	7.08 ± 0.06 ^{s-w}	2.40 ± 0.35 ^{q-v}	20.03 ± 2.90 v
		50	8.08 ± 0.16 ^{q-u}	4.01 ± 0.02 ^{k-p}	65.13 ± 2.04 ^{nop}
		70	9.64 ± 0.12 ^{l-q}	6.16 ± 0.11 ^{b-g}	84.79 ± 1.02 ^{ef}
	50	30	7.75 ± 0.00 ^{q-v}	3.96 ± 0.34 ^{l-p}	70.39 ± 0.25 ^{klm}
		50	14.13 ± 0.66 ^{c-g}	6.90 ± 0.26 ^{abc}	70.22 ± 0.55 ^{klm}
		70	12.17 ± 0.19 ^{f-k}	6.88 ± 0.17 ^{abc}	76.85 ± 0.61 ^{hi}
ChCl-BDO	10	30	1.46 ± 0.20 ^{CD}	0.21 ± 0.01 y	19.90 ± 1.52 v
		50	7.93 ± 1.43 ^{q-v}	3.84 ± 0.75 ^{l-p}	63.62 ± 0.20 ^{op}
		70	13.40 ± 0.31 ^{c-h}	7.64 ± 0.21 a	90.85 ± 0.46 ^{ab}
	30	30	3.64 ± 0.04 ^{z-C}	1.19 ± 0.14 ^{u-y}	37.59 ± 0.30 t
		50	11.60 ± 0.07 ^{h-m}	5.72 ± 0.09 ^{c-i}	37.59 ± 2.06 t
		70	11.83 ± 0.36 ^{h-l}	6.61 ± 0.05 ^{a-e}	87.20 ± 0.67 ^{b-f}

ChCL-Lac	50	30	$5.21 \pm 0.15^{w-A}$	$2.23 \pm 0.05^{s-w}$	$66.47 \pm 0.12^{m-p}$
		50	$12.75 \pm 0.72^{e-i}$	$6.17 \pm 0.29^{b-g}$	$89.41 \pm 0.42^{a-e}$
		70	$12.72 \pm 0.51^{e-i}$	7.72 ± 0.06^a	$85.83 \pm 0.17^{c-f}$
	10	30	$3.22 \pm 0.19^{A-D}$	$1.94 \pm 0.10^{s-x}$	49.51 ± 0.91^r
		50	$13.32 \pm 0.13^{c-h}$	$3.69 \pm 1.19^{m-r}$	$86.43 \pm 3.57^{b-f}$
		70	$14.45 \pm 1.17^{b-e}$	7.38 ± 0.57^{ab}	82.75 ± 1.43^{fg}
	30	30	$8.30 \pm 1.33^{o-t}$	$2.59 \pm 0.59^{p-u}$	62.41 ± 1.58^p
		50	$14.47 \pm 1.20^{b-e}$	$4.70 \pm 0.53^{h-m}$	55.21 ± 1.27^q
		70	17.29 ± 0.64^a	7.83 ± 0.02^a	76.75 ± 1.55^{hi}
ChCL-LeA	50	30	$12.88 \pm 0.37^{d-i}$	$4.90 \pm 0.41^{g-m}$	68.91 ± 0.41^{lmn}
		50	$14.36 \pm 1.36^{c-f}$	$4.66 \pm 0.59^{h-n}$	83.25 ± 3.25^f
		70	16.65 ± 0.53^{ab}	$5.76 \pm 0.24^{c-h}$	$66.33 \pm 0.56^{m-p}$
	10	30	$9.27 \pm 1.87^{n-s}$	$4.27 \pm 1.11^{j-n}$	34.07 ± 0.24^t
		50	$12.53 \pm 0.60^{e-j}$	$6.58 \pm 0.07^{a-f}$	46.24 ± 0.91^{rs}
		70	$15.10 \pm 0.20^{a-d}$	$4.84 \pm 0.37^{g-m}$	62.22 ± 0.84^p
	30	30	$11.99 \pm 0.05^{g-k}$	$4.30 \pm 0.28^{i-n}$	46.90 ± 2.76^{rs}
		50	16.69 ± 1.00^{ab}	$6.17 \pm 0.17^{b-g}$	94.00 ± 0.25^a
		70	$15.04 \pm 0.78^{a-d}$	$5.16 \pm 0.21^{f-l}$	76.43 ± 0.23^{hij}
Water	50	30	$14.35 \pm 0.70^{c-f}$	$4.94 \pm 0.50^{g-m}$	47.47 ± 3.80^{rs}
		50	16.73 ± 1.08^a	$5.70 \pm 0.63^{c-j}$	62.24 ± 1.51^p
		70	15.46 ± 0.61^{abc}	$5.23 \pm 0.32^{e-l}$	$74.17 \pm 0.53^{h-k}$
30 % EtOH (v/v)	50	30	$5.16 \pm 0.29^{w-A}$	$2.30 \pm 0.56^{r-w}$	$66.57 \pm 0.31^{m-p}$
		50	$4.75 \pm 0.28^{x-B}$	$2.61 \pm 0.25^{o-u}$	68.51 ± 0.42^{lmn}
		70	$6.72 \pm 0.29^{t-x}$	$3.81 \pm 0.54^{l-q}$	75.85 ± 0.31^{hij}
50 % EtOH (v/v)	30	30	$6.95 \pm 0.07^{t-x}$	$2.74 \pm 0.02^{o-t}$	85.52 ± 0.00^{def}
		50	$9.96 \pm 0.01^{k-q}$	$4.03 \pm 0.05^{k-o}$	90.45 ± 0.33^{abc}
		70	$8.16 \pm 0.12^{p-u}$	$4.90 \pm 0.07^{g-m}$	$72.64 \pm 0.39^{i-l}$
	30	30	$6.57 \pm 0.35^{t-y}$	$2.17 \pm 0.12^{s-w}$	$73.90 \pm 0.54^{h-k}$

	50	9.30 ± 0.13 ^{n-s}	5.84 ± 0.06 ^{c-h}	89.70 ± 0.18 ^{a-d}
	70	10.45 ± 0.13 ^{i-o}	7.44 ± 0.03 ^{ab}	90.86 ± 0.29 ^{ab}
	30	3.09 ± 0.06 ^{A-D}	1.10 ± 0.05 ^{v-y}	43.17 ± 0.62 ^s
70 % EtOH (v/v)	50	5.78 ± 0.44 ^{v-z}	2.65 ± 0.20 ^{o-t}	65.57 ± 0.06 ^{m-p}
	70	6.67 ± 0.18 ^{t-y}	3.94 ± 0.12 ^{t-p}	74.44 ± 0.48 ^{h-k}
	30	1.18 ± 0.04 ^D	0.33 ± 0.01 ^y	26.68 ± 1.00 ^u
MeOH	50	1.56 ± 0.14 ^{CD}	0.53 ± 0.05 ^{xy}	33.38 ± 0.06 ^t
	70	1.88 ± 0.16 ^{CD}	0.38 ± 0.04 ^y	33.79 ± 1.04 ^t

Results are expressed as mean value±standard deviation (N = 3). Different letters within a column indicate a significant difference based on Tukey's HSD test at $p < 0.05$.