

ONTARIO AGRICULTURAL COLLEGE
Department of Food Science

Ginsenoside Levels in Ginseng Powder (capsules)

Analysis of ginseng capsules from Mary Ginseng House by HPLC. The levels of ginsenoside expressed as (grams ginsenoside/100 g of powdered ginseng root and mg of ginsenoside/g powder) of each ginsenoside is given along with the total. The results represent the six major ginsenosides in ginseng root and not necessarily all possible ginsenosides.

SAMPLES

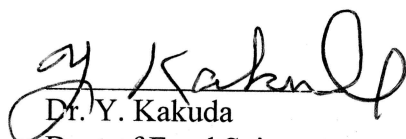
1. Green W1001M
2. Green PS1002
3. Red W2001L
4. Red R3001

PERCENT GINSENOSE (grams/100 g powder)

	1	2	3	4
Rg1	0.60	0.55	0.33	0.16
Re	1.77	1.32	1.80	1.58
Rb1	2.79	1.83	2.35	2.41
Rc	0.65	1.02	0.38	0.37
Rb2	0.13	0.15	0.055	0.046
Rd	0.42	0.55	0.30	0.41
TOTAL	6.4%	5.4%	5.2%	5.0%

GINSENOSE CONCENTRATION (mg/ g powder)

	1	2	3	4
Rg1	6.0	5.5	3.3	1.6
Re	17.7	13.2	18.0	15.8
Rb1	27.9	18.3	23.5	24.1
Rc	6.5	10.2	3.8	3.7
Rb2	1.3	1.5	0.55	0.46
Rd	4.2	5.5	3.0	4.1
TOTAL	64 mg/g	54 mg/g	52 mg/g	50 mg/g



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