



Physiology and
Pharmacology

Analysis and Report prepared by:
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To:
Mary Ginseng House,

Re: Ginsenosides Level in Ginseng Powder

Analysis of ginseng powder from Mary Ginseng House by HPLC following water-methanol extraction. The levels of ginsenoside expressed as grams ginsenoside/100g of powdered ginseng root and mg of ginsenoside/g powder of each ginsenoside were given along with total. The results represent six major ginsenosides in ginseng root (see attached HPLC profile: Appendix 1) and not necessarily all possible ginsenosides. Each value represents the average of the analyses of two separate extractions.

Percent Ginsenoside (grams/100 g powder)

	Sample A (powder)	Sample B (powder)	Sample C (capsule)
Rg1	0.11	0.08	0.08
Re	1.95	1.69	1.65
Rb1	4.01	3.44	3.25
Rc	0.41	0.40	0.41
Rb2	0.10	0.10	0.12
Rd	0.13	0.14	0.12
Total (%)	6.7	5.8	5.6

Ginsenoside Concentration (mg / g powder)

	Sample A	Sample B	Sample C
Rg1	1.3	0.6	0.8
Re	19.5	17.0	16.5
Rb1	40.2	34.4	32.5
Rc	4.1	4.0	4.1
Rb2	1.0	1.0	1.2
Rd	1.3	1.4	1.2
Total (mg/g)	67	58	56