

**Bionutrigen co.LTD**

<b>PROJECT NAME (Ingredient Trade Name):</b> Slim & Silm PWH™ <b>Active Ingredient Scientific Name:</b> Various polyphenols & bioflavonoids from persimmon leaf, Citrus peel, bucknheat leaf and gojiberry and leaf extract. <b>Submission Date:</b> March 30, 2010
<b>Description of Product</b> : Slim & Slim PWH which can reduce body fat, blood lipids, blood glucose and fatty-liver condition.

## 1. Supporting Evidence (Efficacy/Functionality):

Provide all supporting literature and research studies, publications, protocols, and analytical assessment.

*Please separate data into:*

- Mechanism of Action/s (MOA)  
: Lipase, ACAT, HMG-CoA reductase inhibition, appetite reduction, leptin increase  
steroid excretion increase.
- Chemistry/Characterization data
- *In vitro* bioassay data
- *In vivo* testing (Laboratory, Animal, and Human Clinical Studies)
- *In vivo* testing  
: See the attached material publications.
- Clinically tested : Naringin / hesperidin
  - Provide studies done by Company on the ingredient. : See the attached. brochure
  - Total number of clinical studies completed? : 1
  - Study design? (number of subjects, duration of the study/ies, double-blinded, placebo-controlled, case controlled, etc.) : 9
  - Percent response rate? : 100%
  - Dose and delivery form used in the study/ies : 500mg/capsule
- Published or not published, and in which journal/s?
- Recommended Delivery form/s? : 500mg/capsule
- Recommended dose/s? (mg per day) : 500mg/Day
- Collaborating Organizations, professors or University Affiliations  
: Seoul National Univ. Medical School& --- Prof. Park, Young Bae
- Conclusions from the studies  
: Good for cholesterol lowering.

## 2. Intellectual Property / Exclusivity

*Provide an IP Portfolio summary to include :* See the attached.

- Provide patent information
  - Provisional/non-provisional/PCT/

- How is the patent unique, compared to competition?
  - Number of patents?
  - Patent Type? (Process, Application, Combination, Composition, or other)
  - Patent Number/s, title, abstract, claims and application/issue dates
- Describe exclusivity options : global (possible)