


Apxel

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): **Refer to the attached file**
- Chemistry/Characterization data: **Record not required**
- *In vitro* bioassay data: **Record not required**
- *In vivo* testing (Laboratory, Animal, and Human Clinical Studies):
Refer to the attached file. The following is the contents of the attached file.
 - 1) **Animal testing to cure osteoporosis by using nano calcium**
 - 2) **Examples of clinical documentation and improved cure osteoporosis**
 - 3) **Testing the effect of lowering blood cholesterol Nano kitosan , the pancreas Bcell recovery test data**
- Clinically tested
 - Provide studies done by Company on the ingredient.: **The attached file**
 - Total number of clinical studies completed? : **2(Korea-1,America-1)**
 - Study design?
 - number of subjects: **Korea:40person,America:250person**
 - duration of the study/ies : **Korea->from two month to more than one year**
America->from 2010/Apr/1 to 2011/Mar/31
 - Percent response rate? : **Korea : 60% America: Newspaper ads recruiting and screening patients with osteoporosis**
 - Dose and delivery form used in the study/ies:
 - Oyster shell Calcium Nano powder Capsule product**
 - Daily dose:220mg*4capsule**
- Published or not published, and in which journal/s? :
ASIAN-AUSTRALASIAN JOURNAL OF ANIMAL SCIENCES
- Recommended Delivery form/s? : **All formulations can be manufactured**
- Recommended dose/s? (mg per day) : **It depends on the situation**
- Collaborating Organizations, professors or University Affiliations :
Sejong University, Injae hospital
- Conclusions from the studies:
 - 1) **Curing of Osteoporosis.**
 - 2) **According to the test done by US department of Depense and US center of Disease, Apexl Nano calcium is superior to Oscar(Refer to the attached file)**
 - 3) **By using Apexel Nano kitosan, the blood cholesterol levels dropped.**
 - 4) **By ginseng, mushrooms, green tea, the excellent results become true.**

NO	Patent Name	Patent NO	Application No	Date	Registration
1	Nano Grinding Mill(Dried Type) — Korea	10-0360303	10-2000-0005169	2000. 2. 2	2002. 10. 28
2	Nano Grinding Mill(Dried Type) -US	US 7,347,393 B2	PCT/KR03/01608	2003. 8. 11	2008. 3. 25
3	Nano Grinding Mill(Dried Type) -China	ZL03819316.7	-	2003. 8. 11	2007. 9. 5
4	Manufacturing Sand from Slag and the Apparatus thereof	10-0259468	10-1998-0010386	1998. 3. 26	2000. 3. 22
5	Diesel Engine using highly flammable Diesel Gas	10-0423997	10-1999-0015896	1999. 5. 3	2004. 3. 10
6	Micro Transcendency Mill		10-2002-0050654	2002. 8. 12	
7	 (상표)	40-0814451-0000	40-2008-0058813	2008.12.19	2010. 2. 17
8	나노칼슘 7030 골드 Nano Calcium 7030 Gold 원료공급원 : 나노테크월드(주) Nano Techworld Co., Ltd. (상표)	40-0736570-0000	40-2007-0010285	2007. 2. 21	2008. 2. 5

2. Intellectual Property / Exclusivity

Provide an IP Portfolio summary to include:

- Provide patent information : **Refer to the attached file**
 - Provisional/non-provisional/PCT/
 - How is the patent unique, compared to competition?: **Refer to the attached file**
 - Number of patents? ; **6**
 - Patent Type? ; **Invention**
 - Patent Number/s, title, abstract, claims and application/issue dates: **Refer to the attached file**
- Describe exclusivity options (MLM, all markets, global, etc.): **Negotiable with Amway**

Nano Process

