CLAIMS

What is claimed is:

1. A capsule for use in an inhalation device wherein said capsule is filled with a dry powder comprising levodopa wherein the capsule's shell comprises hydroxypropyl methylcellulose (HPMC) and titanium dioxide;

wherein said dry powder comprises about 75% by weight or more of levodopa; and

wherein upon actuation of said powder from an inhalation device, the emitted dose of powder has an FPF (5.6) (fine particle faction having an aerodynamic diameter of less than 5.6 μm) of 50 to 65%.

2. The capsule of claim 1, wherein upon actuation of said powder from an inhalation device, the emitted dose of powder has an FPF (5.6) of 50 to 55%.

3. The capsule of claim 1, wherein said dry powder comprises from 2 to 8% of water by weight.

4. The capsule of claim 3, wherein said dry powder comprises from 5 to 6 % of water by weight.

5. The capsule of claim 1, wherein said capsule is a 00 size capsule.

6. The capsule of claim 5, wherein said dry powder comprises between 15 and 50 milligrams of levodopa.

7. The capsule of claim 6, wherein said dry powder comprises between 25 and 35 milligrams of levodopa.

8. The capsule of claim 1, wherein said dry powder further comprises a salt.

9. The capsule of claim 8, wherein said salt is sodium chloride.

10. The capsule of claim 8, wherein said dry powder further comprises a phospholipid.

11. The capsule of claim 10, wherein said phospholipid is dipalmitoylphosphatidylcholine (DPPC).

12. The capsule of claim 1, wherein the dry powder further comprises DPPC and sodium chloride.

13. The capsule of claim 1, wherein the FPF of the dry powder is about 50% to 70% of the nominal dose.

14. The capsule of claim 1, wherein the capsule is filled with 30 to 50 milligrams of dry powder.