CLAIMS

1. A powder dispenser comprising a tube of circular cross-section; an auger extending axially through the tube; and a disc-shaped distributor extending laterally to the axis of the tube and partially closing the tube, wherein the disc-shaped distributor comprises a central ring and arms extending radially therefrom, characterised in that, the central ring has a radius, to an outer edge of the central ring, of between 55% - 90% of the internal radius of the tube; at least one of the arms extends to no more than 1mm from the internal wall of the tube; and wherein there is a distance defined by a circular arc concentric with the tube between each arm at a distance of 1mm from the tube wall of between 30%-65% of the internal radius of the tube.

2. The powder dispenser of claim 1 wherein the powder dispenser is a beverage powder dispenser

3. The powder dispenser of any preceding claim wherein the circular arc distance, concentric with the tube, between each arm of the disc-shaped distributor at a distance of 1mm from the tube wall is between 35% and 65% of the internal radius of the tube.

4. The powder dispenser of any preceding claim wherein the circular arc distance between each arm of the disc-shaped distributor at a distance of 1mm from the tube wall is between 2mm and 7.5mm.

5. The powder dispenser of any preceding claim wherein the radius of the central ring of the disc-shaped distributor is between 55% and 85% of the internal radius of the tube.

6. The powder dispenser of any preceding claim wherein the internal radius of the tube is between 10mm and 14mm and the radius of the central ring of the disc-shaped distributor is between 7mm and 9mm.

7. The powder dispenser of any one of claims 1 to 5 wherein the internal radius of the tube is between 7mm and 9mm and the radius of the central ring of the disc-shaped distributor is between 5mm and 7mm.

8. The powder dispenser of any preceding claim wherein the disc-shaped distributor comprises between 4 and 12 arms.

9. The powder dispenser of claim 8 the disc-shaped distributor comprises between 6 and 10 arms.

10. The powder dispenser of any preceding claim wherein the central ring of the disc-shaped distributor further comprises at least one aperture, each with a maximum width, in a direction along the radius of the tube, of no more than 30% of the radius of the tube.

11. The powder dispenser of any preceding claim wherein the central ring of the disc-shaped distributor further comprises at least one aperture, each with a maximum width, in a direction along the radius of the tube, of no more than 2.5mm.

12. The powder distributor of claim 10 or 11 wherein the central ring of the disc shaped ring comprises apertures and wherein, the area of all apertures in is no more than 15% of the cross-sectional area of the tube.

13. The powder dispenser of any preceding claim wherein the disc-shaped distributor is within 10mm, 20mm, 30mm, 40mm, 50mm of the end of the tube.

14. The powder dispenser of any preceding claim wherein the auger and disc-shaped distributor are operably connected.

15. The powder dispenser of any preceding claim, wherein the powder dispenser further comprises a powder with Hausner's ratio of between 1.00 – 1.25.

16. A method of dispensing powder comprising steps of:

A- providing a powder dispenser as claimed in any preceding claim;

B- adding a powder;

C- rotating the auger and/or disc-shaped distributor;

D- collecting the powder in a container.

17. The method of claim 16 wherein, the powder is a beverage powder.