Claims

1. Use of the granules of allulose which are compressible in the sole presence of a lubricant, to form a tablet having a diameter of 13 mm, a thickness of 6 mm, an apparent density of 1.35 g/ml ± 0.02 g/ml, a cylindrical shape with convex faces with a radius of curvature of 13 mm, whose hardness is greater than 50 N, preferably greater than 60 N, preferably greater than 70 N, preferably greater than 80 N, preferably greater than 90 N, preferably greater than 100 N, even more preferably greater than 110 N as a direct compression excipient in a directly compressible composition.

2. The use of claim 1, wherein the granules of allulose are further used as a sweetener, and/or a low-calorie sweetener.

3. Use of the compressible composition of claim 1, in the manufacture of a medicament as a health ingredient with physiological functions comprising blood glucose suppressive effect, and/or reactive oxygen species scavenging activity, and/or neuroprotective effect.

4. A method for the manufacture of granules of allulose which are compressible in the sole presence of a lubricant, to form a tablet having a diameter of 13 mm, a thickness of 6 mm, an apparent density of 1.35 g/ml ± 0.02 g/ml, a cylindrical shape with convex faces with a radius of curvature of 13 mm, whose hardness is greater than 50 N, preferably greater than 60 N, preferably greater than 70 N, preferably greater than 80 N, preferably greater than 90 N, preferably greater than 100 N, even more preferably greater than 110 N, comprising:

- a step (a) of preparing a granulation liquid comprising allulose;
- a step (b) of granulating powdery allulose, by applying the granulation liquid obtained in step (a) onto moving powdery allulose;
- a step (c), preferably simultaneous with step (b), of drying the granules obtained in step (b);
- an optional step (c') of maturation of the granules obtained in step (c);
- a step (d) of recovering the granules obtained in step (c) or (c').

5. Granules of allulose obtainable by the method of claim 4.

6. A directly compressible composition, comprising the granules of allulose of claim 5.

7. The directly compressible composition of claim 6, wherein said granules of allulose represent at least 30 % of the directly compressible composition, preferably at least 40 %, preferably at least 50 %, preferably at least 60 %, preferably at least 70 %, preferably at least 80 %, preferably at least 90 %, typically between 90 and 99 %, even between 95 and 99 %, said percentage being expressed in dry weight, with respect to the total dry weight of said directly compressible composition.

8. The directly compressible composition according to any one of claims 6 or 7, comprising no more than 60 % of direct compression excipients other than said granules of allulose, preferably no more than 50 %, preferably no more than 40 %, preferably no more than 30 %, preferably no more than 20 %, preferably no more than 10 %, preferably no more than 5 %, more preferably no more than 2 %, and most preferably 0 %, said percentage being expressed in dry weight, with respect to the total dry weight of said directly compressible composition.

9. A method for the manufacture of a tablet, comprising the steps of: providing a directly compressible composition according to anyone of claims 6 to 8; followed by directly compressing said composition to form the tablet.

10. A tablet composed of a directly compressible composition such as defined in anyone of claims 6 to 8, or obtained by the method of claim 9.