dog owner as a whole, is more informative, can be integrated and can be portioned or controlled according to need than is the case with known solutions.

Summary

[0016a] In one aspect, the present disclosure provides a sachet for a mobile liquid supply of dogs in particular, comprising a casing and a core medium enclosed by said casing, wherein

the casing is formed of an edible membrane, and wherein

the core medium is formed from a gelled liquid substance, wherein

a maximum force for cutting the sachet is in a range from approximately 1 N to approximately 24 N, and wherein

a total force to cut the sachet is in a range from approximately 0.01 J to approximately 0.22 J.

Presentation of the invention

[0017] According to the invention, the object is solved by an edible sachet for a mobile liquid supply of dogs in particular, as defined in independent claim 1. Advantageous embodiments of the invention follow from the dependent claims.

[0018] The essence of the invention consists of the following: A sachet for a mobile liquid supply of dogs in particular. The sachet comprises a casing and a core medium enclosed by the casing. In this case, the casing is formed from a edible membrane and the core medium is formed from a gelled liquid substance.

[0019] The term “gelled liquid substance” comprises the textural behavior of non-flowable (i.e. without temperature-related intervention no rheological properties in the sense of fluidity or viscosity), (firmly) cohesive, sometimes cuttable or cut-resistant, as well as (soft) gel solids (hydrocolloid) provided with an individual molecular network depending on the gelling agent used. The molecular chains that build up during the gelling process have a high water- or liquid-binding activity and, during the so-called phase transition from “sol (two-phase system between liquid and added gelling agent form)” to the gel phase “solid (single-phase, colloidal system from individual gel solidification point)”, give rise to an aggregate state that contains water or liquid but is nevertheless solid, slightly to non-mobile and suitable for chewing and consumption. The exception to this is, for example, homogeneously prepared “fluid gels”, which can have a divergent consistency of a pasty-viscous and thus viscous gel, or (highly) viscous or pasty-viscous or viscous-elastic or viscous-solidly bound, thickened and/or flowable-gelled liquid substances, as defined in dependent claim 15. The gelled liquid substance also has particularly gastrointestinal

Claims

1. A sachet for a mobile liquid supply of dogs in particular, comprising a casing and a core medium enclosed by said casing, wherein

the casing is formed of an edible membrane, and wherein

the core medium is formed from a gelled liquid substance, wherein

a maximum force for cutting the sachet is in a range from approximately 1 N to approximately 24 N, and wherein

a total force to cut the sachet is in a range from approximately 0.01 J to approximately 0.22 J.

2. The sachet according to claim 1, characterized in that the edible membrane comprises a polymer, preferably alginate.

3. The sachet according to claim 2, characterized in that the alginate is crosslinked with a calcium chloride solution.

4. The sachet according to claim 2 or 3, characterized in that the alginate is formed from an alginate paste containing sodium alginate.

5. The sachet according to any of the preceding claims, characterized in that the edible membrane has a thickness (D_M) of from approximately 0.05 mm to approximately 5 mm, preferably from approximately 0.1 mm to approximately 2 mm, and more preferably from approximately 0.2 mm to approximately 1 mm.

6. The sachet according to any of the preceding claims, characterized in that the gelled liquid substance comprises in particular soups, broths or smoothies on animal, biological vegetable, vegetarian or vegan basis, or drinking water, hydrogels, yogurt drinks, shakes, juices, teas or liquid supplements.

7. The sachet according to any of the preceding claims, characterized in that the gelled liquid substance is gelled by means of gelling agents such as in particular agar-agar, gelatin, alginate, carrageenan, pectin or tragacanth and/or by means of binding and thickening agents such as in particular locust bean gum, guar gum, arrowroot gum, psyllium husks, corn starch, potato starch, xanthan gum, gum arabic, tara gum or gellan.

8. The sachet according to any of the preceding claims, characterized in that the volume of the sachet comprises a range from approximately 2 cm^3 to approximately 35 cm^3, preferably from approximately 3 cm^3 to approximately 20 cm^3, and further preferably from approximately 5 cm^3 to approximately 15 cm^3.

9. The sachet according to any of the preceding claims, characterized in that a maximum force for cutting the sachet is in a range from approximately 6 N to approximately 15 N, and further preferably in a range from approximately 7 to approximately 10 N.

10. The sachet according to any of the preceding claims, characterized in that a total force to cut the sachet is in a range from approximately 0.1 J to approximately 0.2 J, and further preferably in a range from approximately 0.125 J to approximately 0.15 J.

11. The sachet according to any of the preceding claims, characterized in that the peak force for a first compression of the sachet by 50% of its height is from approximately 5 N to approximately 15 N, preferably from approximately 9 N to approximately 12 N, more preferably from approximately 10 N to approximately 11 N, and that preferably the peak force for a second compression of the sachet by 50% of its height is from approximately 1 N to approximately 5 N, preferably from approximately 2 N to approximately 4 N, and more preferably from approximately 3.0 N to approximately 3.3 N.

12. The sachet according to any of the preceding claims, characterized in that the cohesiveness of the sachet is from approximately 0.03 to approximately 0.3, preferably from approximately 0.05 to approximately 0.2, and further preferably from approximately 0.06 to approximately 0.10.

13. The sachet according to any of the preceding claims, characterized in that rubberiness of the sachet is from approximately 0.3 N to approximately 10.0 N, preferably from approximately 0.5 N to approximately 3.0 N, and further preferably from approximately 0.7 N to approximately 1.0 N.

14. The sachet according to any of the preceding claims, characterized in that it has a length (L) of from approximately 2 cm to approximately 10 cm, preferably from 3 cm to 7 cm and further preferably from 4 to 6 cm, and preferably has a diameter (D_S) of from approximately 1.0 cm to 3.0 cm, preferably from approximately 1.5 cm to approximately 2.3 cm and further preferably from approximately 1.7 cm to approximately 1.9 cm.

15. The sachet according to any of the preceding claims, characterized in that the proportion by weight of the liquid to the total weight of the sachet is at least approximately 70%, preferably at least approximately 90%, and further preferably at least approximately 95%.