CLAIMS:

1. A single-serve packaging (8), comprising a liquid-permeable filter material surrounding a chamber (80) in which an extraction material is arranged, wherein a movable closure device (84) is provided on the chamber (80) which is movable from a closed position into a position opening the chamber (80), whereby at least one marking (11) for identifying the single-serve packaging (8) is provided on the movable closure device (84) and the closure device (84) comprises a plurality of pivotable flaps which in the open position circumferentially surround an opening to the chamber (80).

2. The single-serve packaging according to claim 1, **characterized in that** the marking (11) is provided in each case at the end of at least one part of the flaps, and the arms are interlocked with each other in the closed position of the single-serve packaging (8).

3. The single-serve packaging according to claim 1 or 2, **characterized in that** the marking (11) is formed by a colored surface.

4. The single-serve packaging according to one of the preceding claims, **characterized in that** the single-serve packaging (8) comprises a support body made of cardboard which is connected to the filter material and the support body has a folding edge (83) on which the flaps of the closure device (84) are pivotably mounted and, by moistening the folding edge (83), the closure device (84) can be moved from the closed position into the open position.

5. A machine for preparing a brewed beverage, comprising:
   - a device for the production of hot water;
   - a holder (7) for a single-serve packaging (8) having an extraction material for arranging the single-serve packaging (8) under a feed for the hot water;
   - a controller and a detection unit (12),

   characterized in that a marking (11) arranged on a movable closure device (4) of the single-serve packaging (8) can be detected in the closed

position via the detection unit (12), whereby the marking (11) on the closure device (84) is pivoted when the closure device (84) is opened.

6. The machine according to claim 5, **characterized in that** a closed position and an open position of the single-serve packaging (8) can be detected by means of the detection unit (12).p

7. The machine according to claim 5 or 6, **characterized in that** the detection unit (12) comprises a light source (13) and an optical reader (14).

8. A method for preparing a brewed beverage, comprising the following steps:
   - inserting a single-serve packaging (8) comprising a liquid-permeable filter material with an extraction material into a holder (7) of a machine (1);
   - detecting a marking (11) on a closure device (84) on an upper side of the single-serve packaging (8) by a detection unit (11) of the machine (1);
   - opening the closure device (84) and moving the marking (11) of the single-serve packaging (8);
   - supplying hot water to the opening at the top of the single-serve packaging (8) and brewing a beverage, and
   - collecting the brewed beverage under the single-serve packaging (8).

9. The method according to claim 8, **characterized in that,** after a closed single-serve packaging (8) has been detected by the controller, hot water is applied to the single-serve packaging (8) in order to open it, and after a waiting time, in particular after detection of a successful opening of the single-serve packaging (8), hot water is again applied to the opened single-serve packaging (8) in order to brew the beverage.

10. The method according to claim 9, **characterized in that** it is checked via the detection unit (12) whether the single-serve packaging (8) has been opened after the first application of hot water.

11. The method according to one of claims 8 to 10, **characterized in that** a dispensing of hot water is blocked via a controller if no single-serve packaging (8) is detected in the holder (7).

12. The method according to one of claims 8 to 11, **characterized in that** a dispensing of hot water is blocked via a controller if an already opened single-serve packaging (8), in particular an already used single-serve packaging (8), is detected in the holder (7).