ABSTRACT

CONTAINERS AND METHODS FOR DISPENSING MULTIPLE DOSES OF A CONCENTRATED LIQUID, AND SHELF STABLE CONCENTRATED LIQUIDS

Containers (10) and methods are provided for dispensing a liquid concentrate (20) utilizing one or more desirable properties including a generally consistent discharge across a range of squeeze forces, a generally consistent discharge with the same force without significant dependence on the amount of liquid concentrate in the container, a substantially dripless or leak proof outlet opening (31), a jet (34) that minimizes splashing when the liquid concentrate impacts a target liquid (43), and a jet that maximizes mixing between the liquid concentrate and the target liquid to produce a generally homogenous mixture without the use of extraneous utensils or shaking. Also provided are liquid beverage concentrates that can be cold filled during packaging, while maintaining shelf stability for at least twelve months at ambient temperatures. Concentrate can have a combination of low pH and high alcohol content such as a pH less than 3.5 and alcohol content greater than 5 percent by weight.

Figure for publication: None