

Summary of the application: Water lentil powder from *Lemnaceae*

Applicant: Parabel Ltd, 7898 Headwaters Commerce Street, Fellsmere, Florida, U.S.A.

The application concerns request for authorisation of water lentil powder as novel food.

The Water lentil powder is derived from controlled cultivated members of the *Lemnaceae* family (whole plant), commonly known as water lentils or duckweed.

Parabel has developed a proprietary growth and processing technique to produce a food ingredient derived 100% from an aquatic plant in the *Lemnaceae* family (water lentils).

The subject of this submission is manufactured by a mild and minimally processed technology consisting of a thermal washing system, that is further dried and milled; no processing chemicals and food additives are added to the process.

Parabel's water lentil powder is intended for use as a multipurpose food ingredient, particularly as a source of dietary protein, fibre, essential fatty acids and energy.

A typical analysis shows that the novel food consists of 35-55% protein, 30-50% total dietary fibre, 6-12% fat, <10% minerals, and <10% moisture (as-is).

Intended uses include baked goods and baking mixes, beverages and beverage bases, breakfast cereals, fresh fruits and fruit juices, frozen dairy desserts and mixes, grain products and pastas, meat products and analogues, dairy products and analogues, plant protein products, processed fruits and fruit juices, processed vegetables and vegetable juices, snack foods, soft candy, and soups and soup mixes at a proposed ADI of 2g LC/ kg bw/day.

The information and data provided by Parabel on the novel food in this application, supplemented by the publicly available data from animal feeding studies of Parabel products and water lentils, as well as by the requirements for dietary protein and fibre in humans, provide sufficient basis for an assessment of the safety of Parabel's water lentil powder for the proposed use as an ingredient in human food when prepared according to appropriate specifications and used according to cGMP.