

1.1 EXECUTIVE SUMMARY

Quillaja extract is cited in the Codex Standard 192-1995 revision 2010 as approved food additives (Foaming agent, Emulsifier) and it has been approved food additive in the European Union, United States, Canada, China, Japan, India, Singapore, Thailand, Taiwan and Vietnam.

The U.S. Food and Drug Administration (FDA) approved the use of *Quillaja* as a natural substance used in conjunction with flavors (21 CFR 172.510). Moreover, *Quillaja* extracts are considered Generally Recognized as Safe (GRAS) for use as a foaming agent in semi-frozen carbonated and non-carbonated beverages, based on information provided by the American Beverage Association (ABA; GRAS Notice No. GRN 000165).

In addition to the food additive approvals listed above, National Starch has completed a self affirmed GRAS determination for quillaja extract in the form of Q-Naturale as an emulsifier in beverage products and dietary supplement applications. Q-Naturale will be used for the delivery of fats, nutrients, vitamins, color and clouding agents in these applications subject to the use-level limitations.

National Starch Food Innovation (hereafter NSFI), through a business partnership with an industry leading supplier of quillaja, Desert King International, has obtained global exclusive rights to sell quillaja-based products, Q-Naturale® 100, Q-Naturale® 200 and Q-Naturale® 300, for food and beverage applications as a replacement for emulsifiers such as gum Arabic and modified food starch. In Australia, we intend to market only Q-Naturale® 200

In this document the application of Quillaja extract is described. The document has been written in the format of the Food Standards Australia New Zealand, Application Handbook, issued as at 1 August 2011. The application is related to the Standards for food production and is addressed to the information requirements of Section 3.1 (General requirements) and Sub-section 3.3.1 (Food additives).

The purpose of this application is to amend the Food Standard Code 1.3.1 Food Additives in order to obtain approval the use of new food additive (Quillaja extract) as emulsifier in beverages.

The amendment is supported in this document by:

- Part 1, containing general information
- Part 2, containing technical information
- Part 3, containing safety data on quillaja extract
- Part 4, containing dietary exposure to quillaja extract
- All appendixes, containing the technical comparison test on benefit of use, regulatory status in various countries and literatures.