



Health
Canada

Santé
Canada

Notice of Modification to the *List of Permitted Preservatives* to Enable the Use of Long-Chain Glycolipids from *Dacryopinax spathularia* MUCL 53181 in Various Non-Alcoholic Beverages

Notice of Modification – Lists of Permitted Food Additives

Reference Number: NOM/ADM-0184

June 10, 2022



Summary

Food additives are regulated in Canada under [Marketing Authorizations](#) (MAs) issued by the Minister of Health and the *Food and Drug Regulations* (Regulations). Approved food additives and their permitted conditions of use are set out in the [Lists of Permitted Food Additives](#) that are incorporated by reference in the MAs and published on the Canada.ca website. A petitioner can request that Health Canada approve a new additive, a new source or a new condition of use for an already approved food additive by filing a food additive submission with the Department's Food Directorate. Health Canada uses this premarket approval process to determine whether the scientific data support the safety of food additives when used under specified conditions in foods sold in Canada.

Health Canada's Food Directorate received a food additive submission seeking approval for the use of long-chain glycolipids from *Dacryopinax spathularia* MUCL 53181 as a preservative in certain standardized and unstandardized non-alcoholic beverages.

Since this is a food additive that was not previously permitted for use in Canada, the Department published a [Notice of Health Canada's Proposal to Enable the Use of Long-Chain Glycolipids from *Dacryopinax spathularia* MUCL 53181 as a Preservative in Various Non-Alcoholic Beverages](#) on September 23, 2021, which was open to the public for comment for 75 days. No new scientific information was submitted to the Department as a result of this Notice of Proposal. Since the conclusions of the evaluation remain as described in the Health Canada's proposal, the Department has enabled the requested uses of long-chain glycolipids from *D. spathularia* MUCL 53181 by adding the entries shown in the tables below to Part 2 and Part 3 of the [List of Permitted Preservatives](#).

Modifications to Part 2 and Part 3 of the *List of Permitted Preservatives*

The following entries were added to Part 2 of the *List of Permitted Preservatives*:

Item No.	Column 1 Additive	Column 2 Permitted in or Upon	Column 3 Maximum Level of Use and Other Conditions
L.2	Long-chain glycolipids from <i>Dacryopinax spathularia</i> MUCL 53181	(1) Caffeinated energy drinks; Sports drinks; Unstandardized fermented tea beverages; Unstandardized tea beverages	(1) 50 p.p.m.
		(2) Concentrated (naming the fruit) juice except frozen concentrated orange juice; (naming the fruit) Juice; (naming the fruits) Juice; Unstandardized vegetable juices	(2) 100 p.p.m. in juices as consumed
		(3) Concentrates for unstandardized non-alcoholic carbonated beverages; Non-carbonated sweetened flavoured water-based beverages with vitamin	(3) 25 p.p.m. in beverages as consumed

Item No.	Column 1 Additive	Column 2 Permitted in or Upon	Column 3 Maximum Level of Use and Other Conditions
		and mineral nutrients added; Unstandardized non-alcoholic carbonated beverages	
		(4) Concentrates for unstandardized non-alcoholic non-carbonated flavoured water-based beverages; Mixes for unstandardized non-alcoholic non-carbonated flavoured water-based beverages; Unstandardized fruit-based beverages; Unstandardized fruit and vegetable-based beverages; Unstandardized vegetable-based beverages; Unstandardized non-alcoholic non-carbonated flavoured water-based beverages	(4) 80 p.p.m. in beverages as consumed

The following entries were added to Part 3 of the *List of Permitted Preservatives*:

Item No.	Column 1 Additive	Column 2 Permitted in or Upon	Column 3 Maximum Level of Use and Other Conditions
L.1	Long-chain glycolipids from <i>Dacryopinax spathularia</i> MUCL 53181	(1) Caffeinated energy drinks; Sports drinks; Unstandardized fermented tea beverages; Unstandardized tea beverages	(1) 50 p.p.m.
		(2) Unstandardized vegetable juices	(2) 100 p.p.m.
		(3) Concentrates for unstandardized non-alcoholic carbonated beverages; Non-carbonated sweetened flavoured water-based beverages with vitamin and mineral nutrients added; Unstandardized non-alcoholic carbonated beverages	(3) 25 p.p.m. in beverages as consumed
		(4) Concentrates for unstandardized non-alcoholic non-carbonated flavoured water-based beverages; Mixes for unstandardized non-alcoholic non-	(4) 80 p.p.m. in beverages as consumed

Item No.	Column 1 Additive	Column 2 Permitted in or Upon	Column 3 Maximum Level of Use and Other Conditions
		carbonated flavoured water-based beverages; Unstandardized fruit-based beverages; Unstandardized fruit and vegetable-based beverages; Unstandardized vegetable-based beverages; Unstandardized non-alcoholic non-carbonated flavoured water-based beverages	

Rationale

Health Canada’s Food Directorate completed a premarket safety and efficacy assessment of long-chain glycolipids from *D. spathularia* MUCL 53181 for use as an antibacterial agent and an antifungal agent in various non-alcoholic beverages. The Department concluded that information related to allergenicity, chemistry, microbiology, molecular biology, nutrition, and toxicology supports the safety of long-chain glycolipids from *D. spathularia* MUCL 53181 for its requested uses, and technical information indicates this food additive is effective for its intended purpose. Therefore, the Department has enabled the requested uses of long-chain glycolipids from *D. spathularia* MUCL 53181 by adding to Part 2 and Part 3 of the [List of Permitted Preservatives](#) the new entries shown in the above tables.

Other Relevant Information

Food additives such as long-chain glycolipids from *D. spathularia* MUCL 53181 are required to meet food-grade specifications set out in Part B of the Regulations, where such specifications exist, or those set out in the most recent edition of the *Food Chemicals Codex* or the *Combined Compendium of Food Additive Specifications*. The *Food Chemicals Codex* (FCC) is a compendium of standards for purity and identity for food ingredients, including food additives, published by the United States Pharmacopeial Convention. Specifications in the *Combined Compendium of Food Additive Specifications* and its associated *General Specifications and Considerations for Enzyme Preparations* are prepared by the Joint FAO/WHO Expert Committee on Food Additives (JECFA), both of which are published by the Food and Agriculture Organization of the United Nations.

There are no specifications for long-chain glycolipids from *D. spathularia* MUCL 53181 in the Regulations or in either of the aforementioned compendia. Until such time that a specification is established within the FCC or by JECFA for this food additive, Health Canada considers the specifications provided by the petitioner, which is the manufacturer of this preservative, to be acceptable.

Notification – Summary of Comments and Health Canada’s Responses

No comments were received in response to *Health Canada’s Proposal to Enable the Use of Long-Chain Glycolipids from *Dacryopinax spathularia* MUCL 53181 as a Preservative in Various Non-Alcoholic Beverages*, published on September 23, 2021.

Implementation and Enforcement

The above modifications came into force **June 10, 2022**, the day they were published in Part 2 and Part 3 of the [List of Permitted Preservatives](#).

The Canadian Food Inspection Agency is responsible for the enforcement of the *Food and Drugs Act* and its associated regulations with respect to foods.

Contact Information

Health Canada's Food Directorate is committed to reviewing new scientific information on the safety in use of any permitted food additive, including long-chain glycolipids from *D. spathularia* MUCL 53181. Anyone wishing to submit an inquiry or new scientific information on the use of this additive may do so in writing, by regular mail or electronically. If you wish to contact the Food Directorate electronically, please use the words "**long-chain glycolipids (NOM-0184)**" in the subject line of your e-mail.

[Bureau of Chemical Safety, Food Directorate](#)

251 Sir Frederick Banting Driveway

Tunney's Pasture, PL: 2202C

Ottawa, Ontario K1A 0K9

E-mail: bc-s-bipc@hc-sc.gc.ca