Kevala, Jillone

From: Lore_Kolberg@cargill.com
Sent: Monday, August 21, 2006 11:53 AM
To: Kevala, Jillone
Cc: Hoadley, James E
Subject: Barley betafiber

Importance: High

Attachments: BDY.RTF

BDY.RTF (2 KB)

Dear Dr. Kevala,

As we discussed briefly last Friday, you need a better description of the barley betafiber material that is the subject of Cargill's recently filed health claim petition. Below is a definition that we feel is accurate and appropriate for barley betafiber. A barley beta-glucan concentrate (extract) that meets this definition would be expected to have efficacy as demonstrated in the clinical study with barley betafiber. Please let me know if this will meet your needs.

"Barley betafiber is a (1.3), (1.4)-.-D-glucan that is extracted enzymatically from whole grain barley flour using alpha-amylase and beta-glucanase enzymes, then isolated using ethanol, and has a purity of at least 70% and a molecular weight range of 120 - 400 kilodaltons."

For compliance purposes, total mixed-linkage beta-glucan levels of barley betafiber may be determined by AOAC method 995.16 or an equivalent method. There is no standard method for determining molecular weight (weight-average molecular weight). However, the method used to determine the molecular weight of barley betafiber and its prototypes is described in a study by Wilson et al. (2004), as cited in our health claim petition. This method was developed and validated by Cargill, and we expect that it will be published in a peer-reviewed scientific journal in the near future.

Again, please let me know if you have additional concerns. We are anxious to help in any way we can.

Best regards,
Lore

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