

CONCLUSION OF the expert panel: Generally Recognized As Safe (GRAS) determination for the addition of CitraFiber to foods

December 2008

We, the undersigned expert panel members, have critically evaluated the materials summarized as follows.

CitraFiber contains over 80% total fiber (53% insoluble fiber and 30% soluble fiber) from citrus peels. According to the description provided by Alarma, the manufacturing process of CitraFiber involves thermal and mechanical methods only with no chemical extraction or treatments. We conclude that CitraFiber is safe and Generally Recognized As Safe (GRAS) for its intended use in foods.

Our conclusion is based on published animal toxicology studies and the history of human consumption of citrus peels. We also acknowledge that other parts of citrus fruits, such as fruits and pulps, have been safely used for food use for a long time and have received FDA GRAS approval. Citrus pulp has obtained a GRAS status through common use in food prior to 1958. Orange peel (CAS RN code. 977070-86-2), grapefruit essence (CAS RN 977091-54-5 & 977091-55-6), grape fruit extract (CAS RN 090045-43-5), lemon peel granules (CAS RN 977001-83-4), and citrus peel extracts (CAS RN. 977038-62-2) are listed in the FDA food additive database, an inventory often referred to as "Everything" Added to Food in the United States (EAFUS) (FDA 2008).

It is our opinion that other individuals qualified by scientific expertise reviewing the same publicly available information would reach the same conclusion.

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