



# ANALYTICAL CHEMISTRY INC.

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**Lab Reference:** 05176-09  
**Date Received:** August 26, 2005  
**Date Completed:** September 1, 2005

September 2, 2005

ROBERT BURNS  
PH SCIENCES  
17230 12TH AVE NE  
SHORELINE WA 98155

**REQUEST:** Assay of Alka-Plex Mix and finished Granules: Test for Ca, Mg, K, Al, Cu by AAS, and Effectiveness.

**SAMPLES:** 2 Alka Plex samples - one after mixing and the other after agglomerating

**ANALYSIS:** Effectiveness by titration per submitted procedure (8/23/2005). Calcium (method 7140), magnesium (method 7450), potassium (emission), aluminum (method 7020), and copper (method 7210) by Atomic Absorption Spectrophotometry.

**RESULTS:** in weight percent

Test	Alka Plex Mix	Alka Plex Granules	Alka Plex Granules Duplicate (QA/QC)
Percent Water	26	8	8
Effectiveness	Pass (8.0 pH)	Pass (8.3 pH)	Pass (8.4 pH)
Calcium	25.1%	25.6%	25.5%
Magnesium	0.194%	0.186%	0.186%
Potassium	3.94%	3.95%	3.96%
Aluminum	0.0035%	0.0032%	0.0032%
Copper	0.00068%	0.00065%	0.00069%

Robert M. Orheim  
Director of Laboratories

DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration  
Washington DC 20204

July 7, 1995

Mr. Macit Gurol  
President  
12047-A 31st Ave. NE.  
Seattle, WA 98125

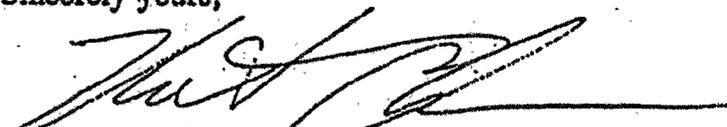
Dear Mr. Gurol:

This is in response to your letter dated June 5, 1995; requesting approval for the use of your Coffee Tamer product containing calcium carbonate, magnesium hydroxide, potassium hydroxide, magnesium carbonate, potassium chloride, and gelatin as a pH control agent in brewed coffee. You state in your letter that all these active ingredients in your product are generally recognized as safe (GRAS) for use in food. In addition, you identify the inactive ingredients in your product as follows: methyl paraben, propyl paraben, micro crystalline cellulose, crosscarmelose sodium NF, FD&C Color Numbers 5,6, and 40, instant coffee, and beta carotene.

We agree that the active ingredients in your product are GRAS for use in food. In addition the inactive ingredients methyl paraben, propyl paraben, and beta carotene are also GRAS for use in food and micro crystalline cellulose may be considered GRAS for use in food. We assume that crosscarmelose sodium NF refers to caramel coloring produced using a sodium containing alkali and that the FD&C Color Numbers 5,6, and 40 identified in your letter are FD&C Yellow Nos. 5 and 6, and Red No. 40, respectively. If our assumptions are correct, the components of your product are acceptable for use in food.

If you have further questions, please do not hesitate to contact us.

Sincerely yours,



Mitchell Cheeseman, Ph.D.  
Direct Additives Branch, HFS-217  
Division of Petition Control  
Center for Food Safety  
and Applied Nutrition