



Microanalytics

Contract Analytical Services - Case Study

Case Study #9 **Pet Food Odors**

Internal Reference: Project Code Number F02233

Industry: Pet Food

Commodity: Processed Pet Food

Problem/Goal: Pet food found by some buyers to have objectionable odors whereby they didn't want to give it to their pets.

Analytical Approach: SPME headspace collection of volatile odor compounds followed by analysis on the AromaTrax MDGC-O-MS system to identify and rank the importance of the offending odor compounds. A comprehensive QC method was developed that monitored all major odorants in the product and ingredients.

Findings: Odor compounds were monitored during the program to improve ingredient and product odor.

Resolution: A satisfactory product was arrived at with controlled levels of the key odorants by the end of the project.

Comments: The power of the AromaTrax system to resolve difficult odor / flavor problems was pointed up by this study. Two 'character defining' odorants were located and isolated very quickly; resolving a long standing problem for which other approaches had failed to produce any significant findings.

Links for More Information

Aroma and malodor contract services: www.off-odor.com
Analytical instrumentation for aroma/malodor analysis: www.mdgc.com



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