

VOLATILE ANALYSIS

Contract Analytical Services - Case Study

Case Study #12 Odor in Specialty Tape

Internal Reference: Project Code Number H00236

Industry: Specialty Manufacturing

Commodity: Reflective tape for special applications

Problem/Goal: Chemically identify the offensive odors during the product development phase for this product.

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.

Findings: As many as eight compounds contribute significantly to the odor of the product and several of these fall into one chemical family.

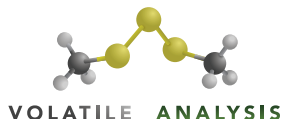
Resolution: The client was to search for alternative reactants to make this product with reduced odor.

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.volatileanalysis.com
Analytical instrumentation for aroma/malodor analysis: www.mdgc.com

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