

CHARGE NUMBER: 2104

PROGRAM TITLE: GRANULAR FILTER MATERIALS

PERIOD COVERED: June 1 - June 30, 1971

PROJECT LEADER: P. N. Gauvin

DATE OF REPORT: July 1, 1971

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HCN selective P-S-P cigarettes were released for POL mailout versus the Lark and Tareyton cigarettes.

Alumina granules with Cu complex additives for HCN selectivity were evaluated in the Flavor Group for subjective response. Alumina with CuCl is being pursued in SEF to further define the subjective response. This material gave 80% HCN removal in a P-S-P filter cigarette.

Concepts for filling MP into a P-S-P filter have been reviewed with Development and Manufacturing Engineering. Evaluation of the breadboard transfer wheel indicated extensive modifications required to prove possible feasibility. With potential problems in horizontal filling (transfer wheel), a vertical filling concept, such as in the Bernhard P-S-P unit, will be evaluated by Development Engineering.

The Monsanto polyurethane foam was subjectively evaluated by the Flavor Group and SEF in the form of a thimble filter. Possible taste defects exist. Additional subjective evaluation is to be conducted in order to attribute any taste defects to residual solvent in the polyurethane or to the polyurethane itself.

PROJECT TITLE: Alternate Controlled Profile Cigarette

PROJECT LEADER: P. N. Gauvin

A straw-making machine was ordered to produce hollow paper tubes. These are to be internally attached to cigarette paper and evaluated as a means of forming a fluted cigarette.

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