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Date: June 5, 1993

To: Hugh Honeycutt

From: John C. Leffingwell

Subject: May 1993 Consulting Activity Report

*Jan,
let's discuss
with Jack
Friday
Hugh*

During May we continued our evaluation of potential menthol additives to modify the menthol cooling sensation. Both beta-damascone and delta-damascone were evaluated at 330 ppm and 530 ppm added to conventional Kool KS. Of these materials, beta-damascone appears to be the most interesting as it is compatible with menthol at both levels. From this limited evaluation and work in flavor blends during 1987-88, we "think" that this material provides a marginal increase in "salivation" and overall menthol acceptability. However, because of the psychological anticipation of individuals in our lab, this observation is tentative and would require more extensive evaluation to prove or disprove.

The delta-damascone provides a minty note that is somewhat objectionable at 330 ppm and definitely objectionable at 530 ppm. At levels of about 30-60 ppm it may have merit in menthol flavors, but is less impressive than the beta-isomer.

In May several low tar cigarette flavors for cigarettes along with possible casing suggestions were sent to Rick Gonterman for possible use in Barclay.

At the request of Barbara Reasor, we developed a duplication of the Ealson flavor material and provided this for both organoleptic and GC evaluation.

During May approximately 4 days of my time was spent on work for B & W.

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