

To: Dr. E. Bernasek

From: Dwo Lym

Subject: DoF Analysis of Puffed tobaccos (MaD Project)

The analysis of the Deoxyfructosazine content (DoF) of your 10 submitted samples are completed.

The results list in the following Table

BEST COPY

| <u>Tobaccos</u> | <u>DoF mg/g Tobacco</u> | | <u>Total</u> |
|---------------------------|-------------------------|-------------------|--------------|
| | <u>2,5-isomer</u> | <u>2,6-isomer</u> | |
| CG-1 | 0.18 | 0.34 | 0.52 |
| CG-1 (puff) ^a | 5.28 | 2.71 | 7.99 |
| CG-3 | 0 | 0.11 | 0.11 |
| CG-3 (puff) | 3.68 | 2.55 | 6.23 |
| processed tobacco | | | |
| EHV-1 | 0.63 | 0.52 | 1.15 |
| EHV-1 (puff) ^b | 1.15 | 0.93 | 2.08 |
| EHV-2 | 0.50 | 0.43 | 0.93 |
| EHV-2 (puff) | 0.72 | 0.60 | 1.32 |
| EHV-3 | 0.52 | 0.41 | 0.93 |
| EHV-3 (puff) | 0.68 | 0.51 | 1.19 |

a. puffed with NH_3 and CO_2 process.
b. puffed by Jim Frederickson's process.