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JUN 20 1986

J. VAN HARN

To: . Mr. L. Jennings
From: . S. W. Laffoon
Subject: . Cigarettes from Portugal - Project Bond

Date: June 19, 1986

The data requested for the two experimental Bond King Size prototypes, received June 4, 1986, are given. The cigarettes coded Z6-2 were higher in tar and TPM deliveries correlating with a less efficient filter, and lower total and filter RTD. A higher content of total reducing sugars was also observed for sample Z6-2. Variation in tipping paper length (24 to 30 mm) was observed for the cigarettes coded Z6-1.

Z6-1 = Experimental Bond KS 20's (SP) prototype with filter
construction 3.1/Y 35,000 (SG EXPORT)

Z6-2 = Experimental Bond KS 20's (SP) prototype with filter
construction 3.8/Y 35,000 (SG GIGANTE)

	<u>Z6-1</u>	<u>Z6-2</u>
<u>Smoke</u>		
Butt Length, mm	30	30
FTC Tar, mg/cigt.	14.1	16.4
TPM, mg/cigt.	17.2	20.1
Nicotine, mg/cigt.	1.16	1.21
Puffs/cigt.	8.6	8.5
Filtration Eff., %	44	37
<u>Cigarette</u>		
Total RTD, mm of H ₂ O	126	105
Length, mm	83.3	82.9
Circumference	24.8	24.8
<u>Paper</u>		
Porosity, sec.	14	15
<u>Filter</u>		
RTD, mm of H ₂ O	67	47
Length, mm	20.2	20.2
Tipping Paper Length, mm	27	27
Color	Cork	Cork
Ventilation, %	None	None
<u>Filler</u>		
Total Alkaloids, % (DWB)	1.78	1.64
Total Red. Sugars, % (DWB)	12.4	15.6
Wt. of Tob., g (12.5% O.V.)	0.802	0.787
Rod Density, g/cc	0.260	0.255
Oven Volatiles, %	12.6	13.0

cc: Mr. H. Ganteaume
Mr. O. Harmsma
Mr. R. Heretick

Mr. F. Lowman
Mr. J. van Harn
Mr. J. E. Wickham

CTSD Data File
Central File

SWL:dlw

86-002-POR
0864002

S. W. Laffoon

2023264388

TABLE I
12% Moisture Basis

<u>Sample Identification</u>	<u>% Total Alkaloids</u>	<u>% Total Nitrogen</u>	<u>% Total Reducing Sugars</u>	<u>% Ash</u>	<u>% Nitrate Nitrogen</u>	<u>% Chlorides</u>
VP-XA-84	0.89	1.2	20.4	8.6	<0.04	0.84
VP-XB-84	0.99	1.2	19.4	11.3	<0.04	0.97
VP-BB-84	0.95	1.3	23.3	7.9	<0.04	0.67
Stems	<0.30	0.7	17.6	14.5	<0.04	2.60

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