

May 28, 1962

Dr. H. B. Parmele  
Vice President  
Director of Research  
P. Lorillard Company, Inc.  
200 East 42nd Street  
New York 17, New York

Subject: Venezuela Cigarettes

Dear Dr. Parmele:

Three cartons each of KENT Crush-Proof and NEWPORT Regular cigarettes, manufactured by our licensee in Venezuela, were received May 14, 1962. The results of our analyses are shown in the attached tables.

KENT Crush-Proof

The cigarette paper was changed from citrate to non-citrate type paper since the last sample. This change affected the smoking time by increasing it from 9.9 to 10.8 minutes. The filters were unchanged.

The tobacco blend has changed. In the tobacco analysis the values obtained for total volatile bases, nicotine and volume were higher than last month.

The values for tars and nicotine in the smoke have increased since the previous samples.

NEWPORT Regular

The filters have changed from 8 to 5 filament denier, which lowered the draw and increased the filter efficiency. These filters were not made by the P. Lorillard Company. The tobacco blend did not change significantly.

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Due to the increase in the filter efficiency, the values for tars and nicotine in the smoke were lower. The menthol content of the tobacco remains at a low value. We found five Fortuna cigarettes mixed in the three cartons of NEWPORT cigarettes.

Very truly yours,

*W. E. Routh*

W. E. Routh  
Research Chemist

Attachments  
WER:rcb

cc: Mr. E. W. Monnick  
Dr. C. O. Jensen  
Mr. R. A. Wagner

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# Cigarette Analysis

Brand KENT Crush-Proof Source Venezuela

Date Received 5/14/62

## Cigarettes: Physical Properties

	Length, mm.	Circumference, mm.	Paper Porosity, sec.	Time to smoke, min. (25 mm. butt)	Moisture %
Present Sample	79.4	25.1	54.5	10.8	12.7
Av. of Last 3 Samples	79.4	25.0	48.2	9.9	13.3 *

Not citrate paper.

\* 1 sample.

## Filter Characteristics

	Length, mm.	Weight, mg.	Draw	Color	Material	Denier	Fiber Shape
Present Sample	15	128	.52	Grey	Estron	3.2	Clover
Av. of Last 3 Samples	15	141	.49	Grey	Estron	3.2	Clover

## Tobacco Analysis

	Total Nitrogen, %	TVB %	Nicotine %	Volume	Color	Ash %	TBS %	Quality Index
Present Sample	2.05	0.39	1.56	198	52	17.4	10.2	5.0
Av. of Last 3 Samples	2.17	0.35	1.23	184	45	16.8	12.1	5.5
Present Gbo.	2.00	0.30	1.47	225	52	16.3	12.5	6.3

## Smoke Analysis

	Cigarette Wt.		Draw		Tars			Nicotine		
	Control gm.	Filter gm.	C	F	Control mg.	Filter mg.	Removal %	Control mg.	Filter mg.	Removal %
Present Sample	.949	1.084	.49	.24	30.0	17.6	41.3	2.18	1.31	39.9
Av. of Last 3 Samples	.962	1.104	.57	.25	27.2	15.6	42.3	1.63	1.01	38.2
Present Gbo.	.879	1.025	.48	.22	23.5	12.4	47.2	1.67	.93	44.3

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### Cigarette Analysis

Brand NEWPORT Regular Source VenezuelaDate Received 5/14/62

#### Cigarettes: Physical Properties

	Length, mm.	Circumference, mm.	Paper Porosity, sec.	Time to smoke, min. (25 mm. butt)	Moisture %
Present Sample	69.4	25.0	57.0	8.8	14.2
Av. of Last 3 Samples	69.5	25.1	50.6	8.6	13.8 *

Citrate Paper.

\* 1 Sample

#### Filter Characteristics

	Length, mm.	Weight, mg.	Draw	Color	Material	Denier	Fiber Shape
Present Sample	15	146	.58	White	Estron	5	Clover
Av. of Last 3 Samples	15	156	1.00+	White	Estron	8	Clover

#### Tobacco Analysis

	Menthol %	Total Nitrogen, %	TVB %	Nicotine %	Volume	Color	Ash %	TBS %	Quality Index
Present Sample	0.12	2.23	0.41	1.41	187	41	16.7	11.5	5.2
Av. of Last 3 Samples	0.13	2.19	0.39	1.44	184	45	16.2	11.5	5.2
Present Gbo.	0.21	2.04	0.36	1.51	234	49	17.3	10.3	5.0

#### Smoke Analysis

	Cigarette Wt.		Draw		Tars			Nicotine		
	Control gm.	Filter gm.	C	F	Control mg.	Filter mg.	Removal %	Control mg.	Filter mg.	Removal %
Present Sample	.856	1.006	.56	.28	25.2	15.3	39.3	1.58	1.03	34.8
Av. of Last 3 Samples	.840	1.000	.65	.47	24.6	20.7	16.0	1.61	1.36	15.5

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