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TESTING LABORATORIES

130 CEDAR STREET

NEW YORK, N. Y. 10006-1094



ANALYSIS NO. 93-1342

Tel: 212-732-4033

Fax: 212-732-4034

REPORT OF ANALYSIS

Ultratech Corp.
715 Twining Road
Dresher, PA. 19025

April 19, 1993

CIGARETTE SMOKING TESTS USING ACCUDROP FILTER SOLUTION

RECEIVED: April 5, 1993

Two brands of cigarettes containing 3 drops of ACCUDROP liquid in the mouthpiece were smoked with a smoking machine. Prior to adding the liquid a depression to accomodate the liquid was implemented by inserting the cap of a plastic bottle provided by the client.

The following results were obtained using the enclosed summary of the smoking procedure:

	<u>Mg./Cigarette</u>
WINSTON KING SIZE CIGARETTES:	
Nicotine	1.46
Tars	17.50
WINSTON with LIQUID	
Nicotine	0.04
Tars	0.14
MARLBORO KING SIZE :	
Nicotine	1.06
Tars	16.10
MARLBORO with LIQUID :	
Nicotine	0.02
Tars	0.23

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(CONTINUED)

Reductions With ACCUDROP:

	<u>WINSTON</u>	<u>MARLBORO</u>
Nicotine	97.3 %	98.1 %
Tars	99.2 %	98.6 %

METHODOLOGY:

Cigarettes were smoked with each Cambridge filter using a 35 ml. puff once per minute of 2 seconds duration from an automatic smoking apparatus. The total particulate matter is weighed. The filter discs are distilled (as per procedure enclosed) to determine the nicotine by ultraviolet absorbance. The water is determined on other Cambridge filters by Gas Chromatography (Sloan & Sublett) and subtracted from the particulate matter to obtain "tars".

STILLWELL & GLADDING, Inc.

By