No.04-350

Date: April 20, 1992

Place: Daiso LTD Research Center (Authorized the research center by Hyogo prefecture)

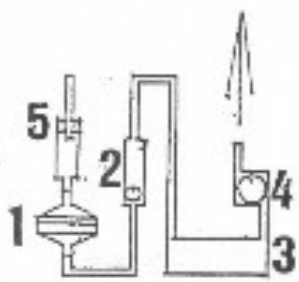
Phone: 81+-6-409-0791

Person in charge of the data: Yutaka Kamata

Subject: Micro Filter

Certificate of Analysis

Micro Filter effect Test



A glass fiber filter of Smoke catcher

Diameter: 47mm

Thickness: 0.75 mm

Tobacco

Brand: Mild Seven

Tar: 18 mg (the amount was indicated by the tobacco package)

Nicotine: 1.1(the amount was indicated by the tobacco package)

1:Smoke catcher (Glass fiber filters)

2: Flow meter

3:Chamber

4:Pump

5:Cigarret holder

A cigarette is inserted directly in a rubber stopper, which was holed, and set it in a glass pipe. Otherwise after setting a micro filter on a cigarette, setting it in a glass pipe.

Method:

Setting each tobacco without a micro filter and with a micro filter in different smoke catchers, and flow meter is set as 1.0L/min. The smoke for 80 seconds after lighting tobacco is brought together in the smoke catcher, and the weigh change of the smoke catcher's glass fiber filter is measured. It measures the amount of Tar. The desiccation of the glass fiber filter and the micro filter is 80 Celsius and two hours. The Light of tobacco uses a gas cigarette lighter. The brand of tobacco is MILD SEVEN, made in Japan. Tar is 13mg, and nicotine is 1.1mg.

Results:

The amount of tar caught by glass fiber filter without micro filter was at an average of 20.0mg. The amount of tar caught by glass fiber filter with micro filter was at an average of 15.7mg. As for the result, it is clear that an average of 5.1mg tar has been caught by micro filter.

Base on the result, it proves that approximately 26.6% of tar is reduced by micro filter

The amount of increases in glass fiber filter's weight

	Non-micro filter	Using micro filter	The amount of increase micro filter's weight
1	20.1 mg	14.4 mg	5.3 mg
2	19.2 mg	16.1 mg	4.4 mg
3	20.8 mg	16.6 mg	5.7 mg
Average	20.0 mg	15.7 mg	5.1 mg