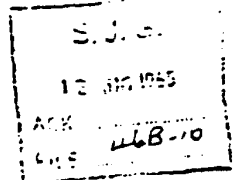


P.O. BOX 6500,
MONTREAL, P.Q., CANADA



August 5, 1965.

Dr. S. J. Green,
Westminster House,
London, England.



Dear Jim:

Following your various letters concerning PEI and Dr. Runeckles' recent visit, we are becoming interested in investigating for ourselves the possible use of PEI on cigarette filters.

We understand that PEI cannot be used on cellulose acetate, but are not clear as to the difficulties that are encountered. We would appreciate learning what these difficulties are. As you are probably aware, we are unable to manufacture paper filters in Canada, as the Cigarette Components group holds the patents. Hence, our interest in the possibility of using PEI on acetate.

We are also, of course, interested in PEI on paper and are wondering if it is in order for us to contact Mr. Bunzyl of American Filtrona Corp. in Richmond, Virginia to enquire about the possibility of obtaining samples of PEI treated paper rods. It may be that Southampton could supply us with sufficient rods to affix tips by hand to cigarettes for our initial testing. Vic brought back a few rods with 0%, 6% and 9% PEI, but we are wondering if any are available at the maximum level of 15%. Ideally, we would like to have paper rods of fairly high draw resistance (around 16"/90 mm.) with 0% and 15% PEI and one or two intermediate levels at the same draw resistance. Twenty-five to fifty rods of each sample would be sufficient as a start for any hand made samples. If Southampton is not able to supply these samples, can we contact American Filtrona for them and for any future requirements? We should state that while the patent situation does not, of course, prevent us from making experimental filter rods, we do not have the facilities to do so.

We are thinking of trying to combine PEI on paper, charcoal and acetate with Pitlow in a triple or possibly dual filter to get the maximum possible effect from each component. Part of the trouble, of course, is to have enough of each component present to get a worthwhile effect. Some questions come to mind and perhaps you can shed some light on them.

1. Presumably, from the purely mechanical aspect, PEI can be added to charcoal but does it still have the same effect as when on paper or acetate and what does it do to the efficiency of the charcoal?
2. Could PEI be applied to paper and then charcoal interlayered in the paper (like the Cigarette Components VPA filters) and still retain the effectiveness of the PEI and charcoal?

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We feel we would like to make use of PEI Pitlow and charcoal and have facilities to produce either dual (10-10 mm) or triple (7-6-7 mm) filters with the centre portion being granular charcoal. We also have facilities for adding charcoal to acetate (Dalmation type filter). If you have any suggestions on the most effective combinations of the various components, we would certainly like to learn of them.

Since we will likely want to experiment with the addition of PEI ourselves to different media, we are wondering how to obtain some. PEI is listed in the catalogue of K & K Laboratories Inc., 177-10 93rd Avenue, Jamaica 33, N.Y. (chemical suppliers) as a regular item at \$4.00 per 100 gms. We could (a) buy directly from them, (b) have another company (say a paper company) buy directly from them for us, (c) buy through Louisville, (d) buy through Millbank. Obviously, it would be very much cheaper if the PEI were purchased through Millbank from Allied Colloids Ltd. and sent to us by air. Ten pounds would be ample for our initial experimenting. If the material can be supplied through Millbank, we would, of course, send an order to cover it. If possible, we would appreciate prompt dispatch of the PEI since we have been subjected to a strike of postal workers for the past two weeks and when they do return to work, it will take considerable time for mail to start flowing smoothly again.

With kindest regards,

Yours sincerely,

Leo.

LCLaporté:mb

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