

Report T. 51.

The author is clearly wrong in his description of the Monsanto process. His descriptions in the summary and introduction are erroneous, and it is a pity this has gone into print.

The recommendations at the foot of the summary really only reflect the work that Monsanto have been pursuing for the last 12 months or so, and I think the question being posed by Mr. Wilson can be answered hard. In terms of the long term specification, Monsanto were asked to do this at the last quarterly technical meeting held at Southampton. The remarks on nitromethane fraction raised my eyebrows somewhat.

Presumably the dual filter comparison was based on constant delivery for the test sample and control. Does the fact that the panel could not separate the cigarettes indicate that 'paper' taste is after all only related to the filtration efficiency <sup>a group of compounds (say)</sup> for phenols. In other words would one attribute 'paper' taste to the HDPE filter, in a situation where the HDPE filter was comparable to a paper filter for filtration efficiency.

Although F.E. and pressure drop are to some extent dependant on the same physical features the dependancies are not the same and it still surprises me a little that one should expect an exact or predictable relationship between say weight / p.d. or F.E. / p.d. For nice simple

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films bundles where d.p.f. is nearly always similar this is a bonus feature but in a randomly formed structure of the type that the HDPE filter produces, things will not fall into place quite so easily. I feel, repeatability is the feature that worries us most.

The results overall are very favourable and bear out our own work. Provided that Dr Volans can tackle successfully the repeatability aspect, I think Australia would go ahead.

The costing of the fibres is a little odd!  
JAL.

P.S. I think it is unwise of B.T. Co. to get involved in the statistics of physical control, as their samples will almost certainly be screened before dispatch.

I wonder how B.T. Co. feel about the dark TPM stain which appears on HDPE filters as early as puff 1. Is it the dark stain inherently unattractive or does it suggest high performance and thus gain acceptance? Can a lack of comment on this point be taken to indicate that B.T. Co. do not see this as a problem?  
RAC.

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