

SMOKE PANEL RESULTS

TEST NOS. 2372-2376, 2378

COST CENTRE 110.01

Cigarettes

P375: 80% blend 348 + 20% treated tobacco.
Tobacco treatment: Canadian AF₂ at 70°C and
30% moisture for 14 days.

P376: 80% blend 348 + 20% treated tobacco.
Tobacco treatment: Canadian AF₂ at 48°C and
20% moisture for 14 days.

P377: 80% blend 348 + 20% Canadian AF₂.

Objective

Subjective smoking assessment of P375, P376 and P377 for the Woodrose irritant sensations and flavour amplitude.

Procedure

An assessment of the Woodrose irritant sensations and flavour amplitude was carried out using duplicated paired-comparison tests. Each cigarette was compared with all others in the group. Colour-coded cigarettes were used. The significance of any difference was assessed using the Wilcoxon matched pairs signed-ranks test. Results are given in Tables 1, 2 and 3.

Results and Conclusions

P375 -v- P376

P375 shows a tendency to be seen as having slightly more flavour amplitude and the irritant scores achieved by P375 are

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less than those achieved by P376. On the impact parameter the difference in scores is significant at a 98% confidence level.

P375 -v- P377

P375 achieved lower ratings on impact and irritation in the mouth, throat and nose. The cigarettes were seen as similar on the flavour amplitude parameter and overall there was no indication of any significant difference between the cigarettes.

P376 -v- P377

The two cigarettes were perceived by the Panel as identical on the flavour amplitude and mouth irritation parameters. P376 shows a tendency to be seen as having slightly more throat and nose irritation and less impact than P377. Although the difference in impact scores appears fairly large, this difference is only significant at a 90% confidence level.

BC Harding

B.C. HARDING

Distribution:

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TABLE 1

Irritant Sensations and Flavour Amplitude
Panel Mean Scores

	P375	P376
Flavour Amplitude	2.5	2.4
Impact on Inhaling	3.1*	3.5*
Mouth Irritation	4.4	4.5
Throat Irritation	4.3	4.4
Nose Irritation	4.2	4.4

*Difference between samples significant at 98% confidence level.

TABLE 2

Irritant Sensations and Flavour Amplitude
Panel Mean Scores

	P375	P377
Flavour Amplitude	2.6	2.6
Impact on Inhaling	3.2	3.5
Mouth Irritation	4.3	4.4
Throat Irritation	4.3	4.6
Nose Irritation	4.3	4.4

TABLE 3

Irritant Sensations and Flavour Amplitude
Panel Mean Scores

	P376	P377
Flavour Amplitude	2.5	2.5
Impact on Inhaling	3.1	3.6
Mouth Irritation	4.5	4.5
Throat Irritation	4.3	4.1
Nose Irritation	4.5	4.4

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