

# Technical Memorandum

No. TM85-01-067

Subject            PENTANE/ACETONE RESIDUES IN EXPANDED TOBACCO

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To                Mr. I.C. Brown,  
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Circulation

File              6B

Date              25th January, 1985

Key words

Signed by .....  
                 For Manager

103551604

ACETONE/n-PENTANE RESIDUES IN T658-T666 TOBACCOS

Cyclohexane extracts from 9 different tobacco mixtures have been submitted for analysis of residual acetone and pentane. The extracting solvent was cyclohexane at 25ml/g tobacco.

The samples received were 5ml aliquots, filtered from the bulk solution, to which ethyl acetate had been added at a level of 130ug/ml as internal standard.

RESULTS

SAMPLE	DESCRIPTION	RESIDUAL PENTANE ON THE TOBACCO ppm
1	T658 - Unexpanded control	0
2	"	6
3	T665 - 90% Unexpanded, 10% DIET	9
4	"	3
5	T664 - 100% Pentane/Acetone expanded (PAT)	220
6	"	230
7	T661 - 50% Unexpanded, 50% DIET	4
8	"	8
9	T660 - 80% Unexpanded, 20% PAT	54
10	"	65
11	T663 - 100% DIET	8
12	"	8
13	T662 - 50% Unexpanded, 50% PAT	179
14	"	190
15	T659 - 80% Unexpanded, 20% DIET	3
16	"	6
17	T666 - 90% Unexpanded, 10% PAT	34
18	"	34

No acetone residues could be detected in any of the samples.

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