

# LITTLE CIGARS - BIG CONCERNS

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# CONCLUSION

- · Little cigars deliver higher levels of toxicants than cigarettes.
- Non-filtered products have higher yields than filtered products.
- Physical characteristics of non-filtered little cigars are more similar to traditional cigars,
- · Filtered little cigars are different than nonfiltered little cigars and are more cigarette-like.

### REFERENCES

[1] Health Canada, Tobacco Reporting Regulations (TRR), SOR-2000/273, P.C. 2000-1040, Ottawa, June 2000.

# INTRODUCTION

- . In recent years, little cigars have become a popular choice among young Canadian smokers.
- Little cigars are considered to be "cigars" since they are "tobacco-wrapped"; however, they are looking more and more cigarette-like.
- · Little cigars are often fruit, candy or alcoholflavoured and are sold in single units.

#### **OBJECTIVES**

- To characterize little cigars and their smoke emissions.
- To compare little cigar emissions with those of Canadian cigarettes.
- To compare little cigars with and without filters

#### METHODOLOGY

- · Physical characteristics and content of 34 little cigars (14 without filters, 20 with filters) were measured using Canadian TRR mandated analytical methods.
- · Emissions of 4 little cigars were measured using Canadian TRR mandated analytical methods under two smoking conditions.
- · Emissions were normalized for nicotine using

Emission Analyte = Nicotine Normalized Emission **Emission Nicotine** 

Ratios of emission normalized for nicotine

Little Cigar / Canadian Monitor 8

were used for comparison with cigarettes.



#### **Ratio WITH NORMALIZED NICOTINE YIELDS:**

- · Both little cigars without filter show the same ratio patterns when compared to the Canadian Monitor 8.
- · Solid phase compounds are found at higher yields.
- Much higher nitrosamine, ammonia yields and smoke pH suggest different origin and tobacco type:
- different curing process
- higher nitrate tobacco content, i.e. fertilizer
- N-based compounds are found at yields from twice to 30 times higher.

# **EMISSION of FILTERED LITTLE CIGARS:**

Nicotine yield and smoke pH are comparable to the "Reference cigarette".

#### **Ratio WITH NORMALIZED NICOTINE YIELDS:**

• Both filtered little cigars present the same ratio patterns when compared to the Canadian Monitor 8.

 Much higher nitrosamine, hydrogen cyanide and N-based compound yields suggest different origin and tobacco type:

- different curing process
- higher nitrate tobacco content, i.e. fertilizer

 Results show higher yields than the cigarette but less dramatic. than filter-less little cigars.