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# Detection of dimethyl- and diethylnitrosamine in a nigerian fermented milk product (nono)

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## Abstract

The thin layer chromatogram of the dichloromethane extract concentrate of a steam distillate from 20 l of a pooled sample of nono showed 2 distinct violet zones on visualisation with the Preussmann spray reagent. The TLC  $R_f$  values of the zones were in agreement with those of dimethyl- (DMN) and diethylnitrosamine (DEN), respectively. The mass spectral fragmentation patterns of the oily residues obtained after eluting the unsprayed zones, filtration of silicagel and evaporation of the solvent would suggest the presence of both DMN and DEN in the fermented beverage.

### • Abbreviations

- DEN, diethylnitrosamine;
- DMN, dimethylnitrosamine;
- GC, gas chromatography;

- TLC, thin-layer chromatography

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