

## EXPERIMENTS WITH FINAL MOLASSES.

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An analysis of 20 samples of final molasses has been made.

Eighteen of these samples were taken from the Usine Ste. Madeleine, Trinidad, one sample having been taken during each week of the 1928 crop. The remaining two were monthly composite samples from Waterloo Estate.

The following determinations were carried out on each sample:-

% Solids by Refractometer  
Degree Brix  
Sucrose  
Glucose  
Ash  
Pectins  
Pentosans  
Total Colloids  
Total Nitrogen  
Specific Electrical Conductivity  
Surface-tension  
Viscosity

As a result of these determinations the following points have been studied:-

1. The variation in the composition of different samples of final molasses.
2. The change in composition of different samples as crop proceeds.
3. The relationship between various physical measurements and certain non-sugars; the significance of these measurements and their importance in the control of cane-sugar manufacture has been discussed.