



Zytex Laboratory Services : HPLC Analysis

Zytex has been associated with the Starch sweetener industry for almost three decades, supplying enzymes. Due to continuous support and faith of its customers, Zytex has over the years, become more of a solution provider rather than a simple supplier.

In order to take this customer support to further heights, Zytex has now launched the Zytex HPLC Service for its Starch customers.

Zytex HPLC Service can be used for the following:-

- Analyzing sugar profile of syrups
- Monitoring and evaluating liquefaction and saccharification process

HPLC analysis is the best diagnostic tool available to identify problems in the overall process if any and rectify them accordingly. HPLC analysis is also a valuable tool when designing new recipes for new products or to get desired sugar profiles. Customers have to send in the samples to Zytex as per prescribed format. A complete analysis and report for the same is submitted within five working days.

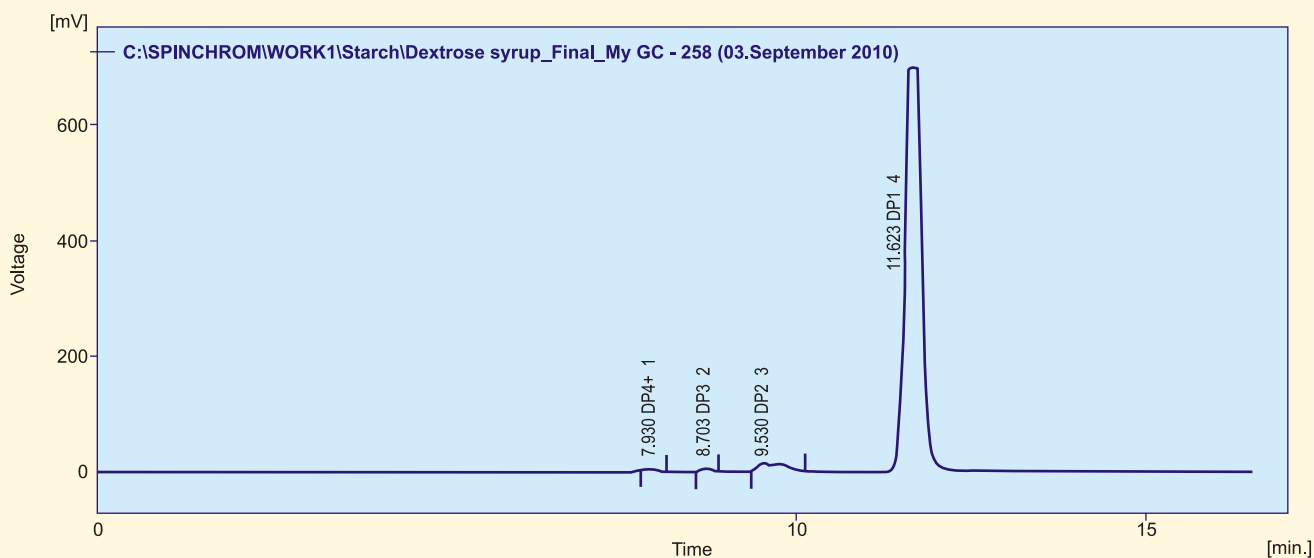


Sample Report

Sample : Dextrose Syrup @ final sachharification

Date: 3rd September, 2010

HPCL Profile



Sr. No	Sugars	%
1	Dp4+	0.40
2	Dp3	0.40
3	Dp2	3.20
4	Dp1	96.00

Observation & Remarks

High levels of Dp2 observed

Possible reasons

- High pH in liquefaction (> 6.2) leading to formation of maltulose
- Overdose of saccharification enzyme or higher residence time in saccharification leading to reversion of dextrose

Corrective action suggested

- Check liquefaction pH and if found to be high then bring it below 6.0
- Optimize saccharification enzyme dosage and retention time in saccharification

Samples can be directly couriered to the address below:

Zytex Biotech Pvt. Ltd.,

Mr. Peter Raja Technical Services In-charge B-701, Polaris, Off-Marol Maroshi Road,

Marol Naka, Andheri (E), Mumbai: 400059. Ph. No.: 022-67723000

Mobile: 09869261642 Email: peter@zytexas.com

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