

Fermentation Monitoring HPLC Analytical Standards Details

Bion Analytical offers a complete line of Analytical Standards for use in monitoring fermentation performance via HPLC. The five calibration standards and one validation standard were formulated to ensure the range of possible analyte concentrations typically encountered in starch-to-ethanol production facilities is covered by the standards. The complimentary LQC Protocol (i.e. LQC-HPLC) helps establish Good Laboratory Practices (GLP) and ensure defensible results on all fermentation samples.

Bion Analytical uses a proprietary completely water soluble ¹DP4+ (i.e. dextrin) with a known purity as the dextrin stock for our HPLC Standards. This allows for several advantages over other available Fermentation HPLC Standards:

- 1) The water solubility of the DP4+ stock results in a completely soluble finished product which allows for use directly from the Standard container – no filtering necessary.
- 2) The known purity and water solubility of the DP4+ stock allows for a more accurate Standard preparation.

If you are currently making your own HPLC standards, we can offer you the benefits of an affordable convenient ready-to-use product with exceptional accuracy that is a natural byproduct of preparing large quantities of each standard to service the entire Fuel Ethanol Industry. And if you currently purchase your HPLC standards from a different supplier, we encourage you to try our Fermentation HPLC Standards and we are confident you will discover that they are a superior product in every way.

¹Technical Note: The Degree of Polymerization (DP) is defined as the number of monomeric units in a macromolecule or oligomer molecule, a block or a chain.

- Source: IUPAC Compendium of Chemical Terminology 2nd Edition (1997)

See all our available Fermentation Monitoring Standards, product details, and product pricing information at the following link: <http://www.bionanalytical.com/prod.html>