

Fluphenazine HCl USP Tablet Assay with HPLC – AppNote

Alternate L7 Column used for the USP Assay Method of Fluphenazine HCl Tablets

This USP Fluphenazine HCl Tablet Assay is easily performed and the five injection overlay below demonstrates Run to Run consistency and Precision. The Peak Efficiency is very good and Peak Tailing guidelines are easily met with RSD values of 0.2%. This demonstrates a good alternate Column for your Fluphenazine HCl Tablet USP Method.



Peak:



Fluphenazine HCl

Method Conditions:

Column: Cogent RP C8™, 5um, 150Å

Catalog No.: 68508-15P

Dimensions: 4.6mm x 150mm

Mobile Phase: 0.2% Triethylamine (TEA) in Diluent

Buffer: 0.05 M Monobasic Potassium Phosphate adjusted with Phosphoric Acid to a pH of 2.5.

Diluent: Acetonitrile, Methanol, and Buffer (30:30:40)

Injection vol.: 25µL

Flow rate: 1.0mL / minute

Detection: UV @ 254nm

Sample Preparation: Fluphenazine Hydrochloride 60µg / mL in Diluent

Note 1: Fluphenazine Hydrochloride is the Hydrochloride salt of Fluphenazine, a Phenothiazine with Antipsychotic activity and potential Antineoplastic activity.



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MicroSolv Technology Corporation

9158 Industrial Blvd. NE, Leland, NC 28451

tel. (732) 380-8900, fax (910) 769-9435

Email: customers@mtc-usa.com

Website: www.mtc-usa.com

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