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### Validation of Carbocisteine by Reversed Phase High Performance Liquid Chromatography Method from Active Pharmaceutical Dosage Form

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**Abstract:** A high performance liquid chromatography method is described for determination of carbocisteine from active pharmaceutical ingredients. The separation of drug was achieved on BDS hypersil C18 (250 x 4.6 mm i.d.) with 5  $\mu$  particle size column showed most favorable chromatographic pattern over the other columns. The mobile phase consisted of a mixture of water and acetonitrile (95:5 % v/v). The detection was carried out at wavelength 215 nm. The mixture of water and acetonitrile (95:5% v/v) was used as a diluent. The method was validated for system suitability, linearity, accuracy, precision, robustness, stability of sample solution. The method has been successfully used to analyze carbocisteine from active pharmaceutical ingredients.

**Keywords:** Carbocisteine, Acetonitrile, HPLC.

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