

**ABSTRACT**

**METHOD VALIDATION OF GRAPHITE FURNACE ATOMIC  
ABSORPTION SPECTROMETRY FOR ANALYSIS  
CISPLATIN IN THE INJECTION DOSAGE FORM**

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The Graphite Furnace Atomic Absorption Spectrometry (GFAAS) is the method that can be used to analyze metals in pharmaceutical preparations such as Cisplatin in the injection dosage form. The objective of this study was to validate the GFAAS method for analysis of Cisplatin in the injection dosage form. Validation parameters were as follow selectivity, linierity and range, accuracy and precision. The method was selective for Cisplatin at thewavelength of 265.9 nm. The method was linear over the concentration range of 505.0-2525.0 ppb. The corelation coefficient ( $r$ ) was 0.9994 and  $V_{x0}$  was 2.50%. Accuracy was good, represented by % recovery of 103.65%. Meanwhile, precision met its requirement with CV of 1.50% and 1.02% for method and instrument, respectively. This method was succesfully applied on sample Cisplatin in the injection dosage form.

Key word : cisplatin, method validation, GFAAS.