

# Scientific Study for Content of N-Nitrosodimethylamine in Valsartan by GCMS Technique

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**Abstract:** Active pharmaceutical ingredients are making vital role in preparation or formulation of any medicines. It is the prime duty of ourselves to monitor the overall quality of pharmaceutical drugs as well as products for safety and efficacy. With the advancement in science of chemistry and other branches of instrumental devices including analytical sciences and biotechnology, the scope of analytical chemistry has reached to, much higher extent. The main focus in current usage of analytical methods advance analytical technology has made it possible not only to evaluate the potency of active ingredients in dosage forms and API's but also to get deep knowledge in characterization, structural elucidation, identifying and quantifying stereo isomers active moiety, possible impurities, metabolism, chirality of API and anticipation of possible degradations likely impurities being generated. Pharmacopoeias rely more on instrumental techniques rather than the classical wet chemistry method. In my research work a scientific attempt, I am going to adopt strategy of development, validated analytical methods for the determination of API single dosage form using GCMS technique.

**Keywords:** Content of N-Nitrosodimethylamine

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