

## STUDY OF STRENGTH VARIATIONS IN STEROIDS USING LIBS

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In the present scenario, a number of approaches are available for the elemental analysis of drug samples but quick and cost-effective techniques are vital in the drug manufacturing industry. During the last few decades, Laser Produced Plasma which is also known as Laser Induced Breakdown Spectroscopy (LIBS) has been adopted as a viable spectroscopic analytical technique in the various field. In the pharmaceutical arena, a wide range of applications including the analysis of the active pharmaceutical ingredients (API) and excipients etc., the utility of LIBS have begun to emerge. The steroids of different brand and dosages have been taken for the analysis. LIBS is basically atomic spectroscopic technique however, in the present approach, molecular signatures of the drug sample were also investigated using LIBS and being conformed to the complementary techniques i.e. Raman and FTIR spectroscopy.