

ABSTRACT

**VALIDATION METHOD AND THE DETERMINATION OF
ISONIAZID AND PYRIDOXINE HCl IN TABLET USING
SPECTROPHOTOMETRY UV DEVELOPMENT OF THREE
POINT METHOD**

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Two simple and sensitive methods has been validated for the determination of isoniazid and pyridoxine in tablet. The absorbance at $\lambda_1=254$ nm, $\lambda_2=262$ nm, $\lambda_3 =270$ nm was applied to determine isoniazid in aquadest, while the absorbance at $\lambda_1=314$ nm, $\lambda_2=324$ nm, $\lambda_3 = 334$ nm was applied to determine pyridoxine in aquadest. Isoniazid and pyridoxine gave good linierity in the concentration range from 5-25ppm ($r = 0.9999$ and $V_{x0} = 0.76\%$) for isoniazid and ($r = 0.9977$ and $V_{x0} = 4.91\%$) for pyridoxine. The accuracy showed good recovery ranging 98% to 102%. The precision results were validated, RSD was less than 2%. The analysis found to be validated and can be used for determination mixtures of isoniazid and pyridoxine tablet.

Keyword : isoniazid, pyridoxine, validation method, UV spectrophotometry, three point method.