

ABSTRACT

LINIEARITY TEST OF THE DPPH METHOD WITH METHANOL SOLVENT AS A DETERMINANT OF THE ANTIOXIDANT ACTIVITY OF VITAMIN C (L(+)-Ascorbic acid for analysis) MERCK

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This study aims to determine the linearity test of vitamin C with methanol solvent DPPH method to the IC50 value. This study uses vitamin C samples as sample using the DPPH method as a blank and uses UV_VIS spectrophotometric devices to measure wavelengths. This study was repeated three times to optimise the occurrence of errors in sample analysis and measurement of free radical scavenging activity. Then incubated for 30 minutes, this is done so that the vitamin C solution can react with the DPPH solution completely before wavelength activity measurements were carried out. This study resulted in a linear regression with a value of $r = 0,9902$. based on these results, the correlation coefficient obtained indicates linearity between the variable x and y.

Keywords : Vitamin C, DPPH method, Methanol, UV-Vis spectrophotometric