



## Determination of Physical Parameter of GUAIFENESIN at Diff Temp & Conc

By Awais, Azka

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Physical Parameters of Antibiotic Drugs | The measurements of density, conductivity, viscosity, surface tension and refractive index of aqueous solutions of different concentrations (0.001, 0.002, 0.003, 0.004, 0.005 and 0.01) M of drug, Guaifensin were carried out with the help of gravity bottle, conductivity meter with  $\pm 0.001$  accuracy, viscometer, stalagmometer and refractometer respectively at different temperatures (303.15, 308.15, 313.15 and 318.15) K. Partial molar volume, apparent molar volume, equivalent conductance, molar conductance, specific conductance, parachor, rheochor, molar refraction, specific refraction and polarizability values were calculated from density, conductivity, viscosity, surface tension and refractive index values respectively. Viscosity, rheochor, density, apparent molar volume, partial molar volume, molar conductivity, specific conductivity increase with increase in concentration at all temperatures. Surface tension, parachor values decrease with increase in concentration at all temperatures. Molar refraction and specific refraction values increase with increase in concentration at 303.15 K. Equivalent conductances remain the same for all concentrations at 303.15 K. | Format: Paperback | Language/Sprache: english | 84 pp.



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