



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_27742
Title of the Manuscript:	The Dielectric behavior of Acetone and Dimethylformamide in Electric Field
Type of Article	Original Research Article

PART 2:

FINAL EVALUATOR’S comments on revised paper (if any)	Authors’ response to final evaluator’s comments
$\epsilon'' = \frac{\sigma}{\omega \epsilon_0} \tag{19}$ <p> <math>\sigma</math> = Electrical conductivity of the material  <math>\omega</math> = Angular frequency  <math>\epsilon_0</math> = Permittivity of free space = <math>8.854 \times 10^{-12} F/m</math>                      The complex permittivity for acetone at 10°C calculated as shown below:  <math display="block">\epsilon' = \epsilon_{\infty} + \frac{1}{\tau} \left( \frac{\epsilon''}{\omega} \right) = 22.21 = \epsilon_{\infty} + \frac{1}{9.22 \times 10^{-11}} \left( \frac{0.78}{6.284 \times 10^8} \right)</math> <math display="block">\epsilon_{\infty} = 22.21 - 13.52 = 8.69</math>                     And that of dimethylformamide at 20°C was also calculated as follows:  <math display="block">\epsilon' = \epsilon_{\infty} + \frac{1}{\tau} \left( \frac{\epsilon''}{\omega} \right) = 38.45 = \epsilon_{\infty} + \frac{1}{1.0747 \times 10^{-11}} \left( \frac{0.24}{6.284 \times 10^8} \right)</math> <math display="block">\epsilon_{\infty} = 38.45 - 35.54 = 2.91</math>                     Author should write in this way:                     <ul style="list-style-type: none"> <li>Where, <math>\sigma</math> is the Electrical conductivity of the material and <math>\omega</math> is the angular frequency and is equals to <math>6.284 \times 10^8</math> .....</li> <li>The complex permittivity for acetone at 10°C was found to be 8.69. No need to show the calculations. Just express it in text.</li> </ul> </p>	<p>➤ We have affected the corrections/observations made by the Final Evaluator.</p>