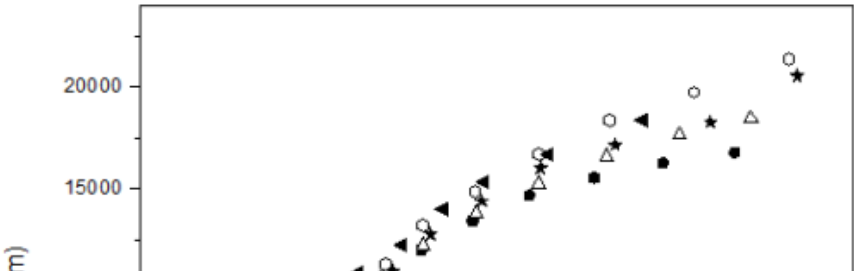


Table 3. Resistivity (ρ) and conductivity (σ) values for all the interactions of oleic matter (oleic acid, saponified oleic acid and biodiesel) with sodium colate

<u>Concentration of oleic matter</u>	<u>Oleic cid</u>		<u>Saponified oleic acid</u>		Biodiesel	
	ρ (Ω .m)	σ (μ S)	ρ (Ω .m)	σ (μ S)	ρ (Ω .m)	σ (μ S)
0.1	6.10×10^5	1.64	9.04×10^5	1.11	8.71×10^5	1,14
0.5	4.77×10^5	2.10	3.95×10^5	2.53	5.81×10^5	1,72
1.0	5.69×10^5	1.76	3.62×10^5	2.76	4.58×10^5	2,18
5.0	6.24×10^5	1.60	3.42×10^5	2.92	7.50×10^5	1,33
10.0	4.92×10^5	2.03	3.71×10^5	2.69	4.54×10^5	2,20
15.0	6.43×10^5	1.55	3.99×10^5	2.51	3.68×10^5	2,72



<u>Concentration of oleic matter</u>	<u>Oleic cid</u>		<u>Saponified oleic acid</u>		Biodiesel	
	ρ (Ω .m)	σ (μ S)	ρ (Ω .m)	σ (μ S)	ρ (Ω .m)	σ (μ S)
0.1	6.10×10^5	1.64	9.04×10^5	1.11	8.71×10^5	1,14
0.5	4.77×10^5	2.10	3.95×10^5	2.53	5.81×10^5	1,72
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