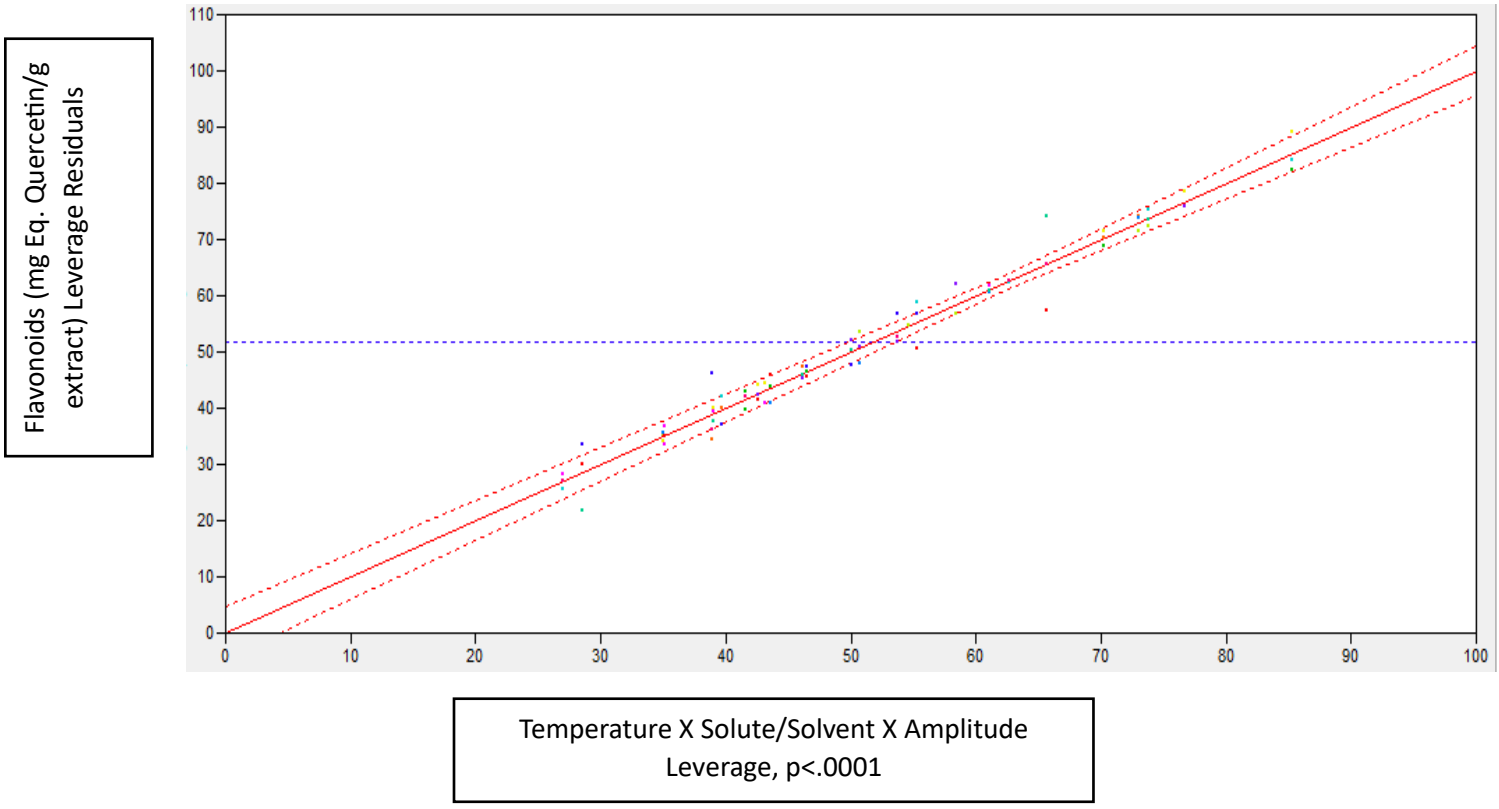
Figura 2. Fitting Model of Flavonoids as a Function of Temperature, Solute/Solvent Ratio, and Amplitude



Equation 3. Prediction of Hydroxyl Radical (mg/mL)

$$\text{IC50 Hydroxyl Radical (mg/mL)} = 2.32 + a_1(\text{Temperature}) + a_2(\text{Solute/Solvent}) + a_3(\text{Amplitude}) + a_4\,(\text{Temperature x Solute/Solvent}) + a_5\,(\text{Temperature x Amplitude}) + a_6\,(\text{Solute/Solvent x Amplitude}) + a_7\,(\text{Temperature x Solute/Solvent x Amplitude})$$