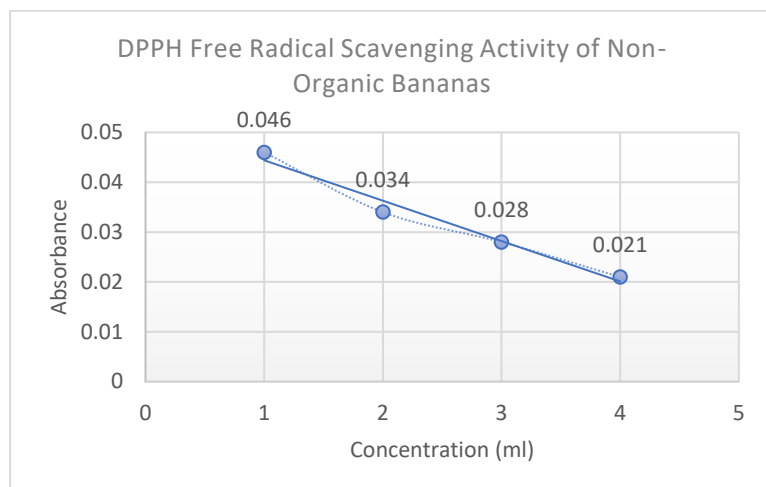


**Graph 3.5: DPPH Free Radical Scavenging Activity of Non-Organic Banana (Sample B) at Different Concentrations**



In an identical manner, the absorbance values of the non-organic banana decreased as concentration increased. At 4 millilitres, the absorbance was marginally higher (0.021) than in the organic sample, suggesting a somewhat reduced level of antioxidant activity at this concentration.

### Comparative Analysis

Comparative analysis revealed that the antioxidant activity trends in both samples were comparable, with absorbance decreasing as concentration increased. However, over the concentration range, the organic sample (Sample A) demonstrated a somewhat higher antioxidant capacity; at 4 ml, in particular, it had a lower absorbance than the non-organic sample (Sample B). This implies that, in the studied circumstances, the organic banana might have somewhat stronger antioxidant qualities than the non-organic banana.