

Laboratory Report Guideline

Neutron Activation of Aluminum

1. Cover Page

2. Abstract

3. Theory

briefly discuss the theory behind a neutron activation experiment
what type of data will be obtained
what information can be determined from the data

4. Procedure

5. Data

a table of the data
the semi-log plot made at the Radiation Center and the Excel plot
class values

6. Calculation

of the rate constant and the half-life
average and standard deviation of the class values

7. Error Analysis

comparison of the experimental and literature value of the half-life
analysis of the class value information

8. Conclusion

brief description of the of the experimental results

9. Reference