

**CHM-201 General Chemistry and Laboratory I  
Laboratory 6- Empirical Formula of an Oxide  
Spring 2021**

*Submit this data sheet in person before leaving the lab.*

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Group B

**Mass of the crucible and cover**

	Mass	Difference from previous
After 1 <sup>st</sup> heating	37.6800 g	
After 2 <sup>nd</sup> heating	37.6790 g	0.0036
After 3 <sup>rd</sup> heating (if necessary)		
After 4 <sup>th</sup> heating (if necessary)		

(use the final value in your report)

Mass of crucible, cover and magnesium before heating

~~37.9508~~ 37.9378

Observations after adding water to the crucible (after heating and reacting the magnesium):

**Mass of the crucible, cover and magnesium oxide**

	Mass	Difference from previous
After 1 <sup>st</sup> heating	38.0923	
After 2 <sup>nd</sup> heating	38.0927	0.0004
After 3 <sup>rd</sup> heating (if necessary)		
After 4 <sup>th</sup> heating (if necessary)		

(use the final value in your report)

- used 10 drops of water  
- Magnesium was ~~0.273~~ 0.273