

PhazeComp-Generated L^AT_EX Report Template

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1. Executive Summary

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4. Conclusions

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Nomenclature

References

Tables

Table 1: Essential Properties for Characterization

Component	MW
N2	28.014
CO2	44.010
C1	16.043
C2	30.070
C3	44.097
i-C4	58.123
n-C4	58.123
i-C5	72.150
n-C5	72.150
C6	84.021
C7	97.791
C8	111.727
C9	125.706
C10	139.695
C11	153.684
C12+	170.000

Table 2: Additional Properties for Characterization

Component	LMW	MW
N2		28.014
CO2		44.010
C1		16.043
C2		30.070
C3		44.097
i-C4		58.123
n-C4		58.123
i-C5		72.150
n-C5		72.150
C6	77.007	84.021
C7	90.778	97.791
C8	104.714	111.727
C9	118.693	125.706
C10	132.681	139.695
C11	146.670	153.684
C12+	160.656	170.000

Figures

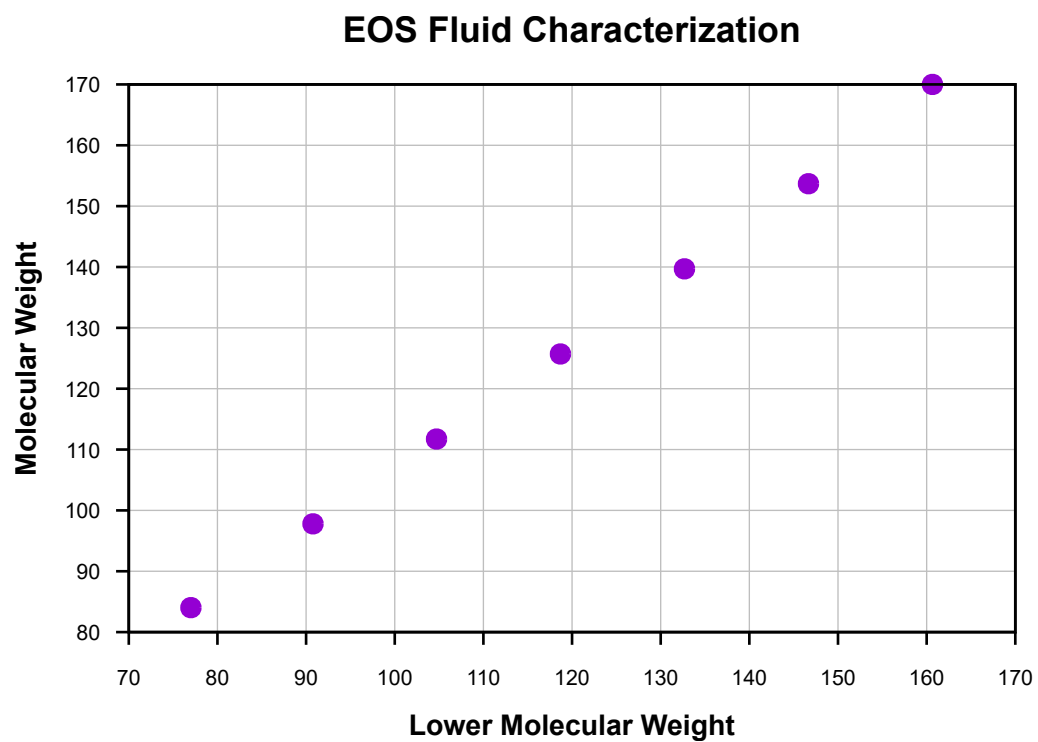


Figure 1: Molecular Weight vs. Lower Molecular Weight for EOS Fluid Characterization.

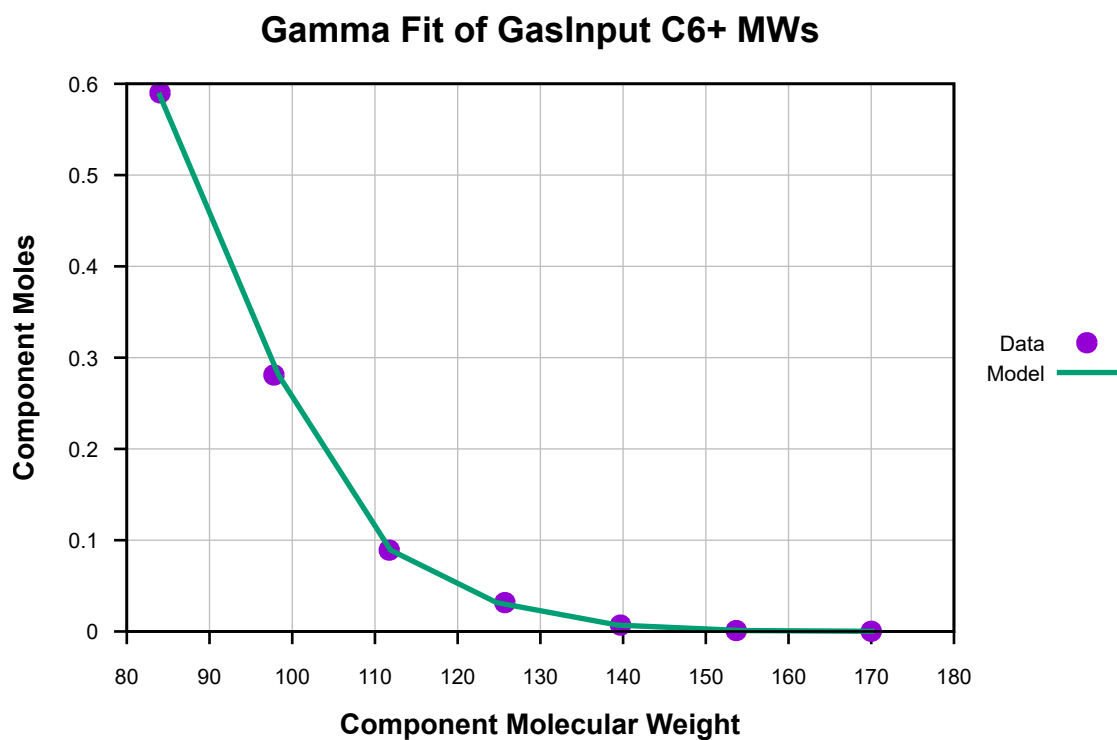


Figure 2: Molar Gamma Fit of GasInput C6+ MWs. Gamma Shape = 18.142, Average = 92.20, Bound = 76.83, Origin = 0.00.

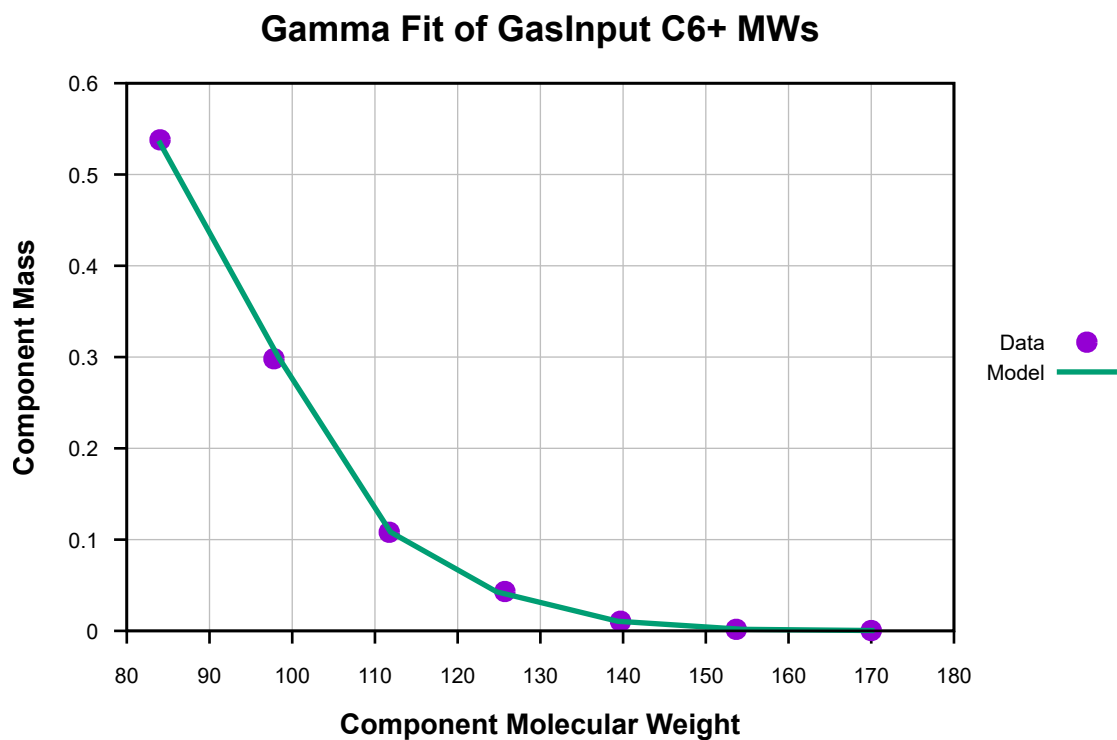


Figure 3: Mass Gamma Fit of GasInput C6+ MWs. Gamma Shape = 18.142, Average = 92.20, Bound = 76.83, Origin = 0.00.

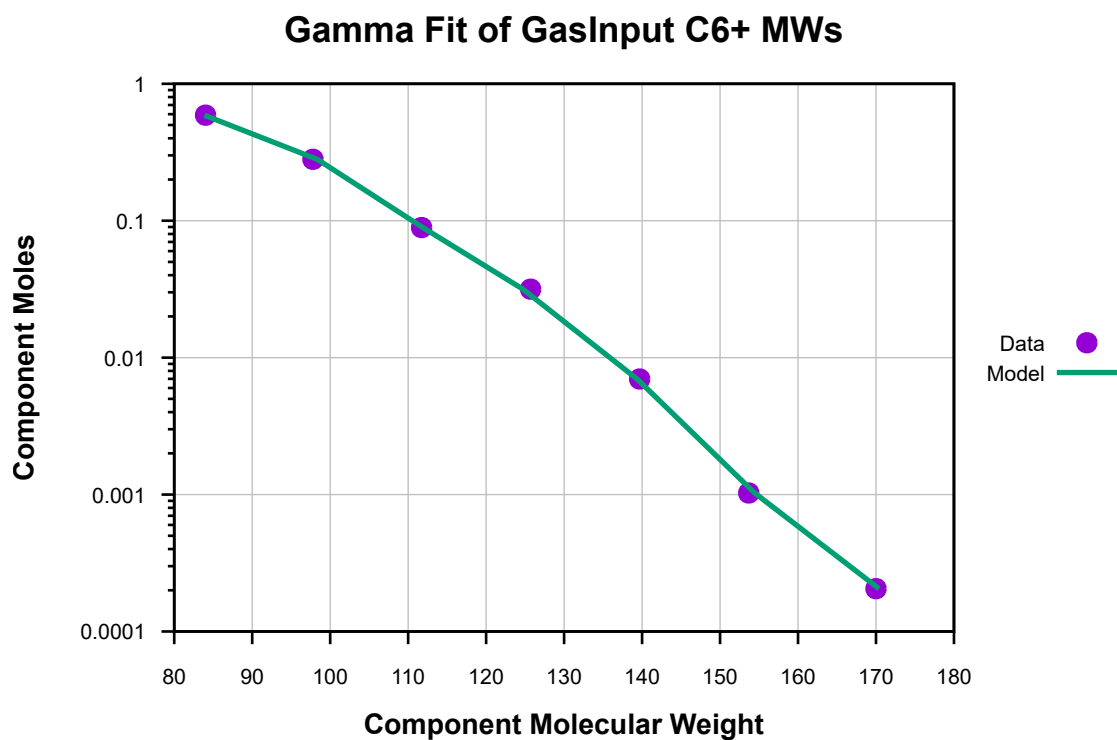


Figure 4: Molar Gamma Fit of GasInput C6+ MWs. Gamma Shape = 18.142, Average = 92.20, Bound = 76.83, Origin = 0.00.

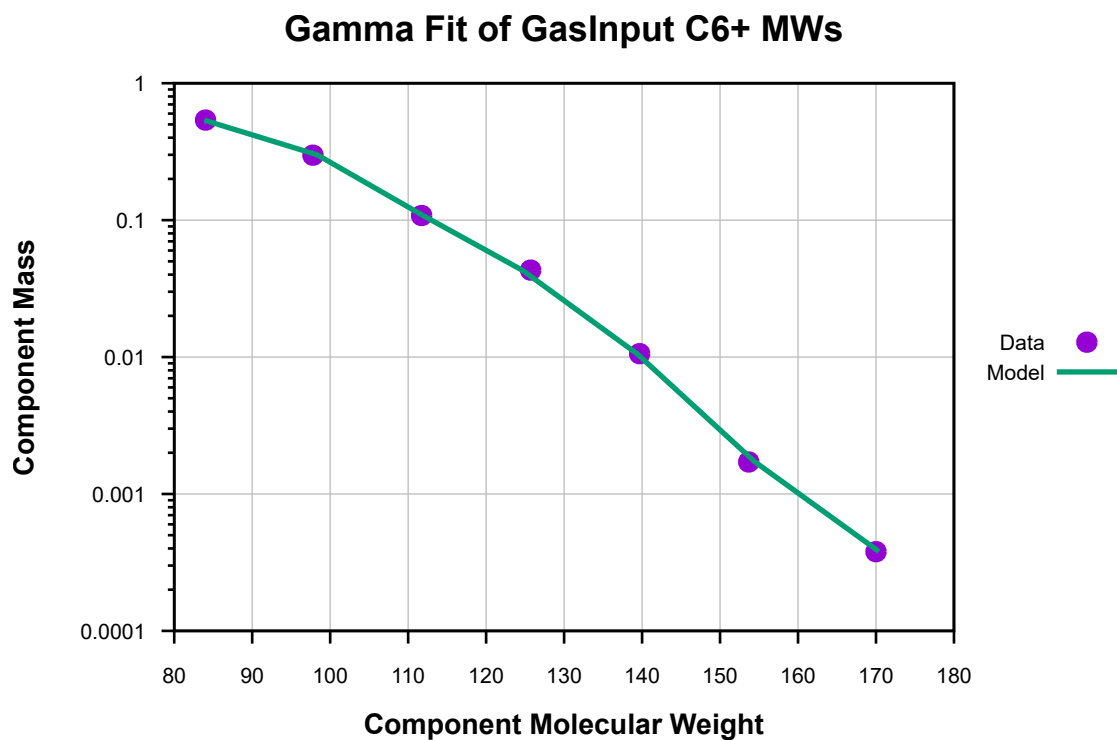


Figure 5: Mass Gamma Fit of GasInput C6+ MWs. Gamma Shape = 18.142, Average = 92.20, Bound = 76.83, Origin = 0.00.

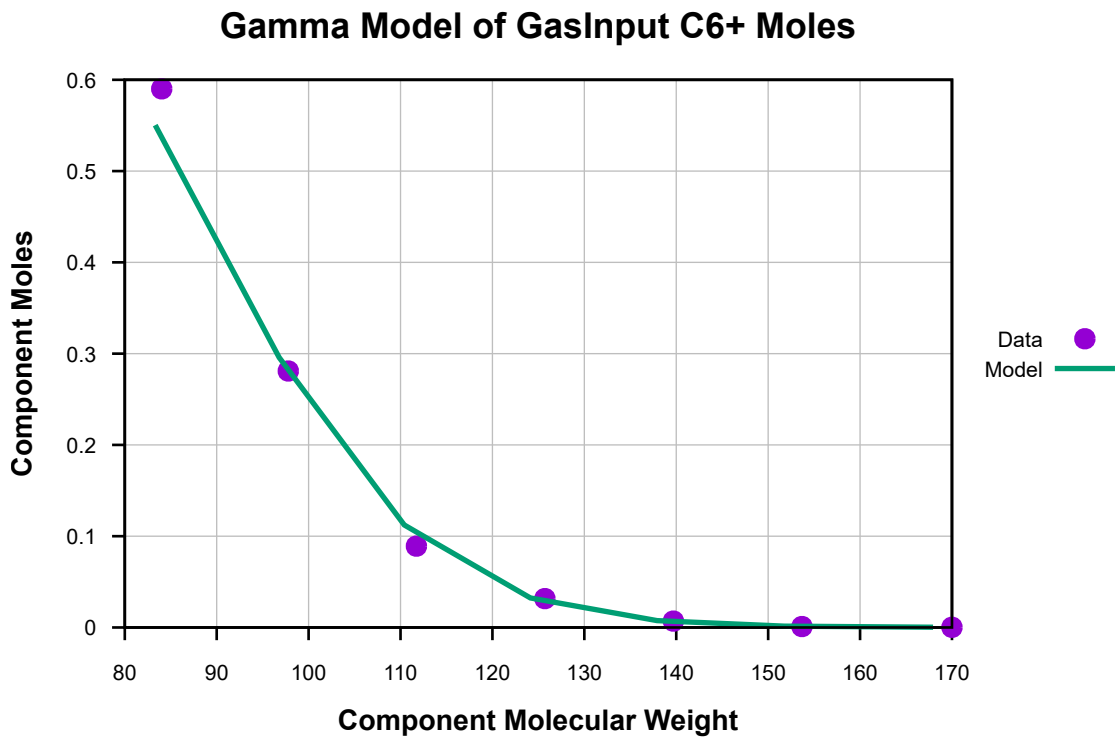


Figure 6: Molar Gamma Model of GasInput C6+ Moles. Gamma Shape = 18.142, Average = 92.20, Bound = 76.83, Origin = 0.00.

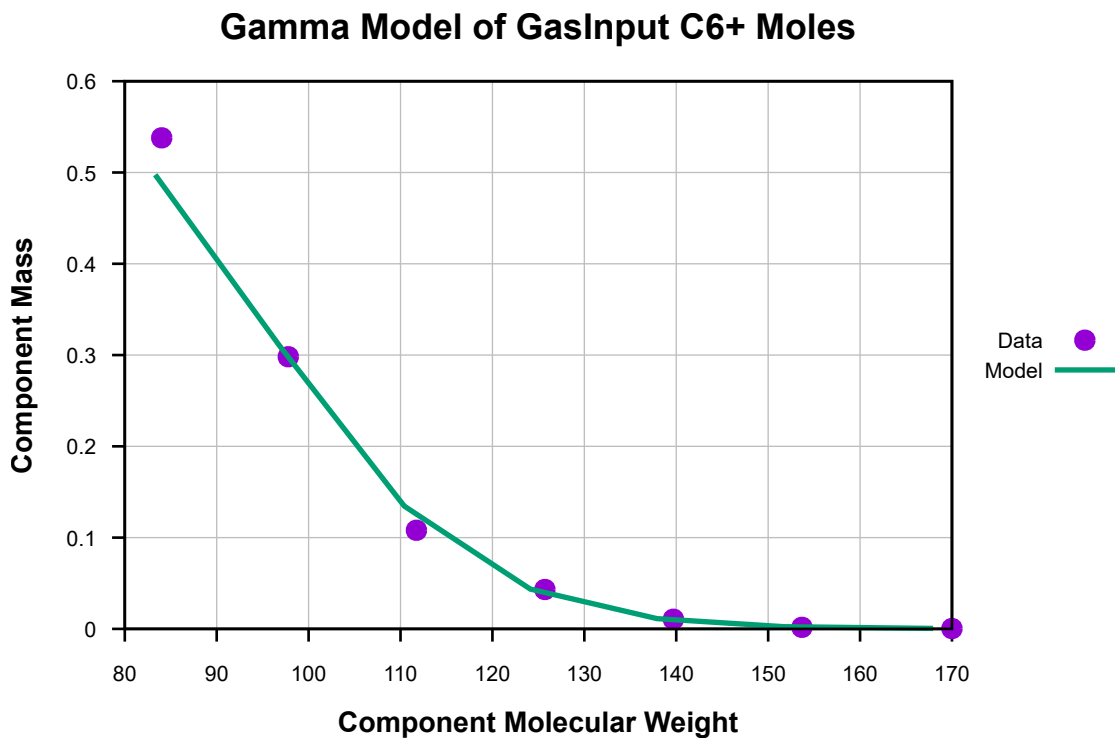


Figure 7: Mass Gamma Model of GasInput C6+ Moles. Gamma Shape = 18.142, Average = 92.20, Bound = 76.83, Origin = 0.00.

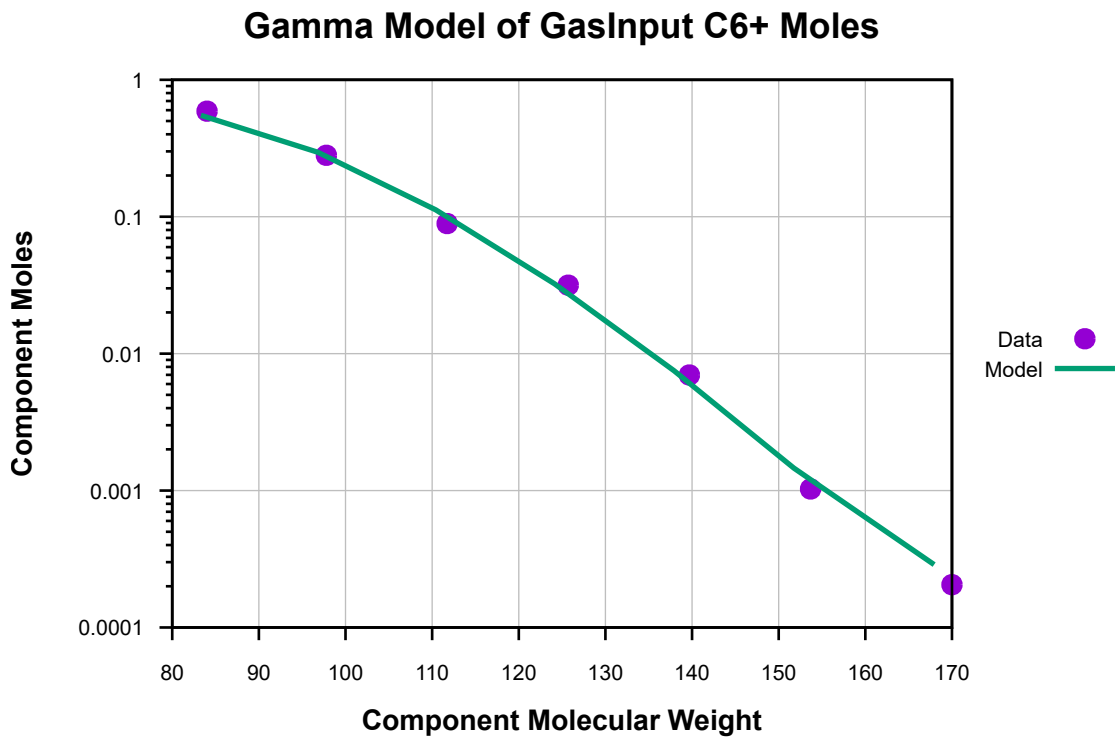


Figure 8: Molar Gamma Model of GasInput C6+ Moles. Gamma Shape = 18.142, Average = 92.20, Bound = 76.83, Origin = 0.00.

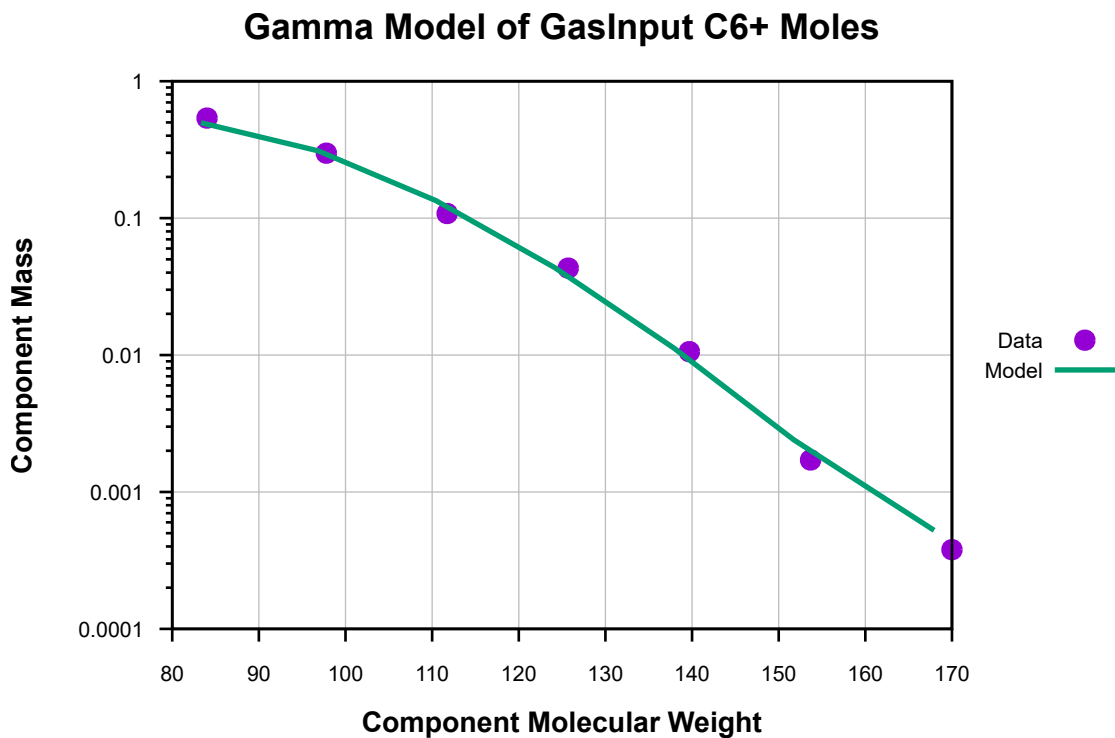


Figure 9: Mass Gamma Model of GasInput C6+ Moles. Gamma Shape = 18.142, Average = 92.20, Bound = 76.83, Origin = 0.00.

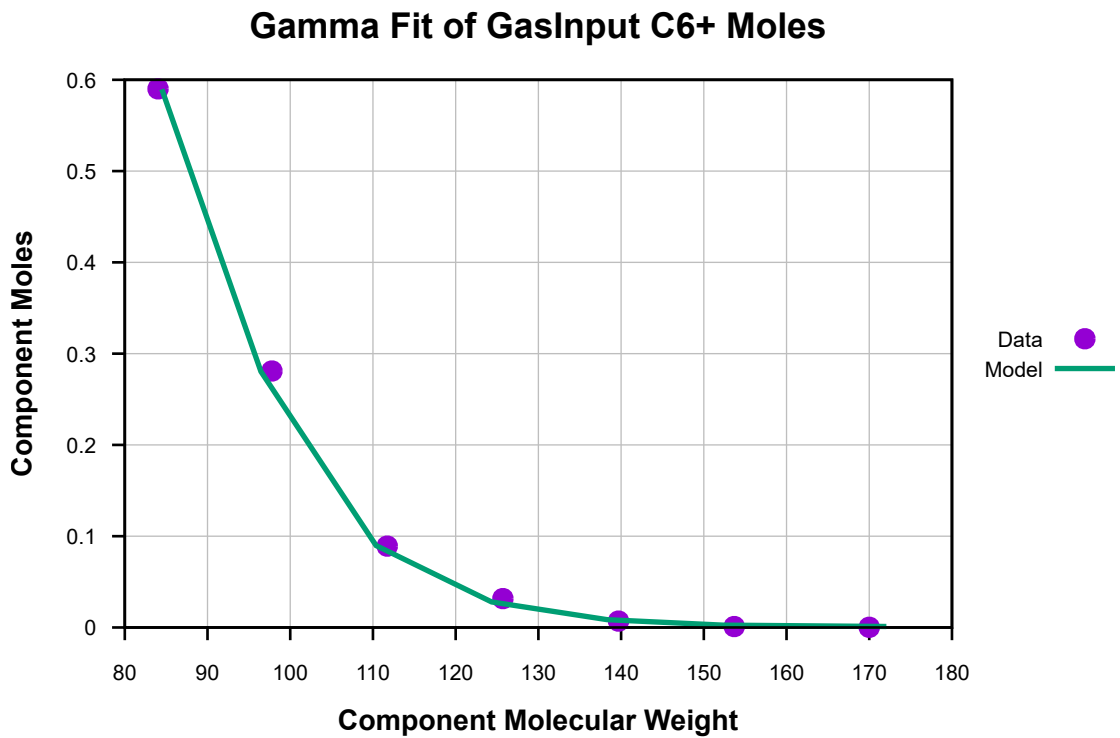


Figure 10: Molar Gamma Fit of GasInput C6+ Moles. Gamma Shape = 2.377, Average = 92.01, Bound = 79.76, Origin = 0.00.

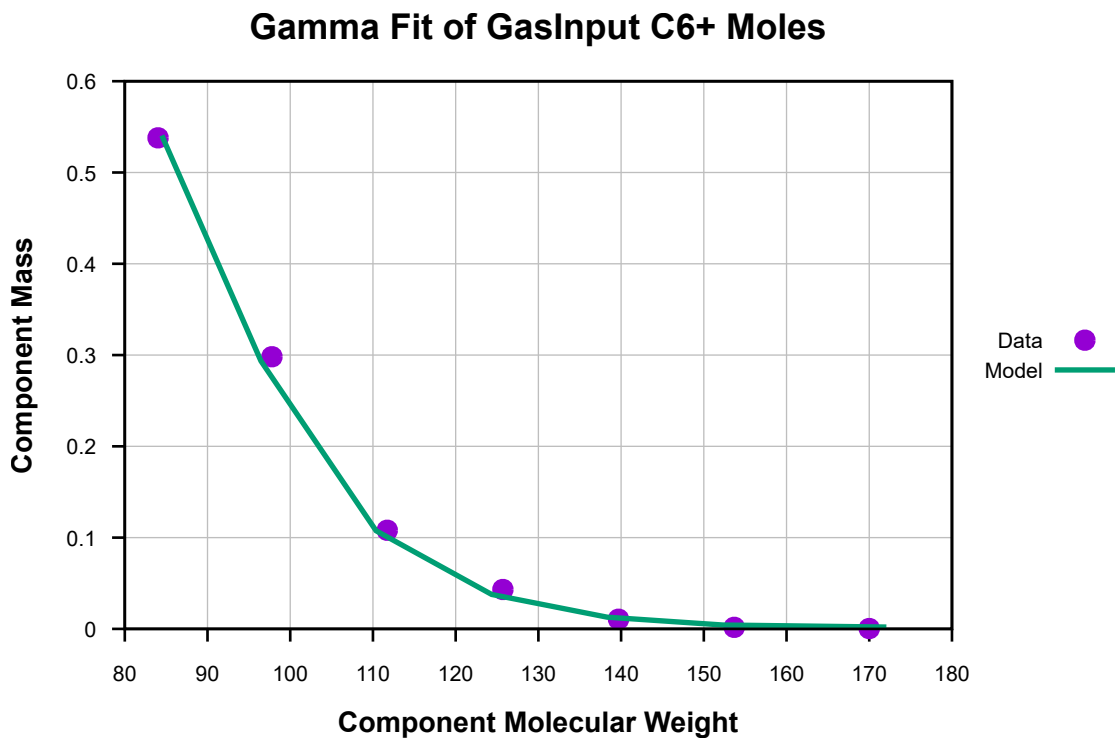


Figure 11: Mass Gamma Fit of GasInput C6+ Moles. Gamma Shape = 2.377, Average = 92.01, Bound = 79.76, Origin = 0.00.

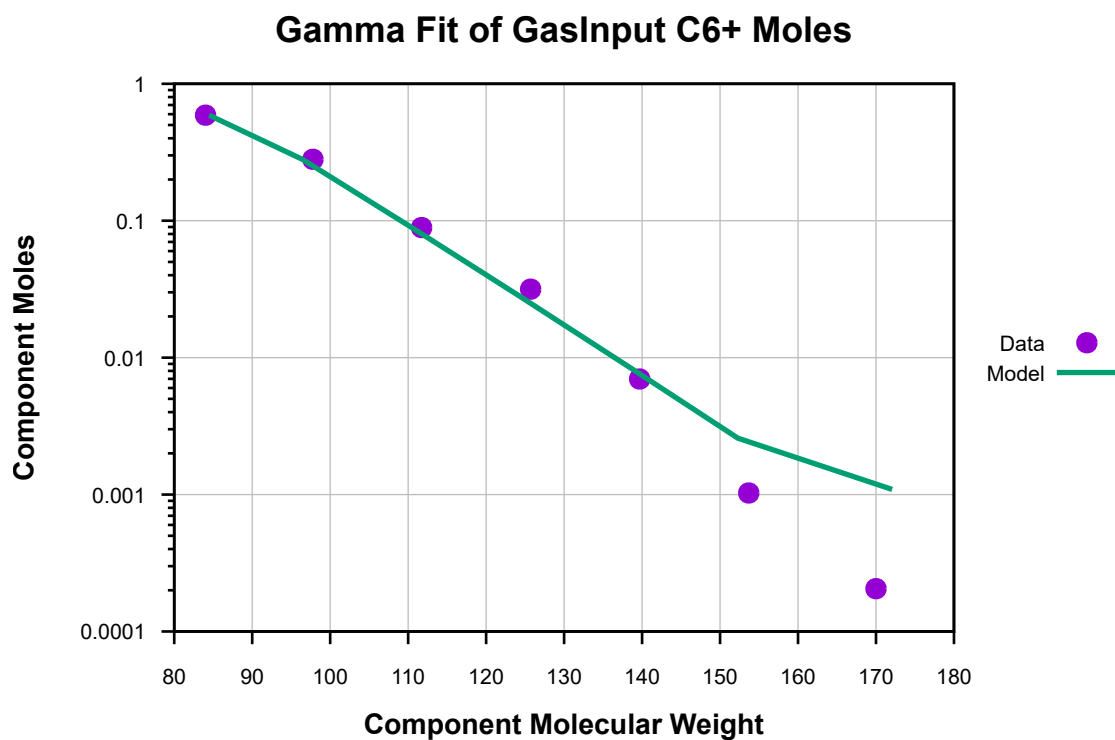


Figure 12: Molar Gamma Fit of GasInput C6+ Moles. Gamma Shape = 2.377, Average = 92.01, Bound = 79.76, Origin = 0.00.

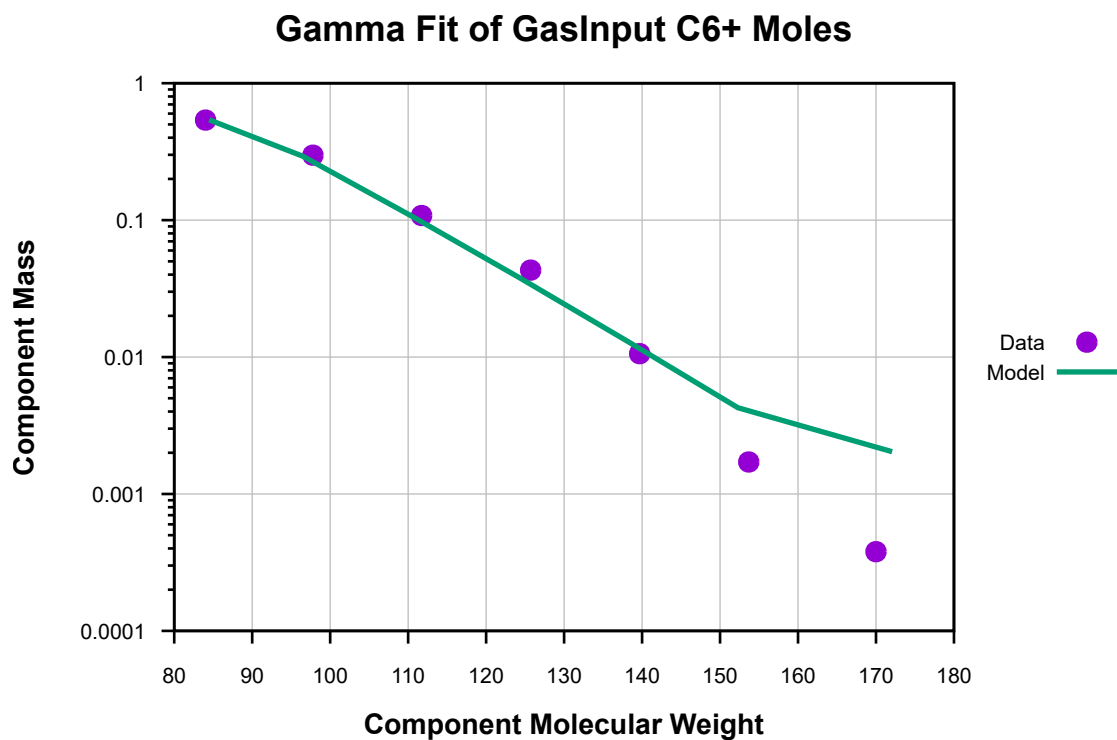


Figure 13: Mass Gamma Fit of GasInput C6+ Moles. Gamma Shape = 2.377, Average = 92.01, Bound = 79.76, Origin = 0.00.

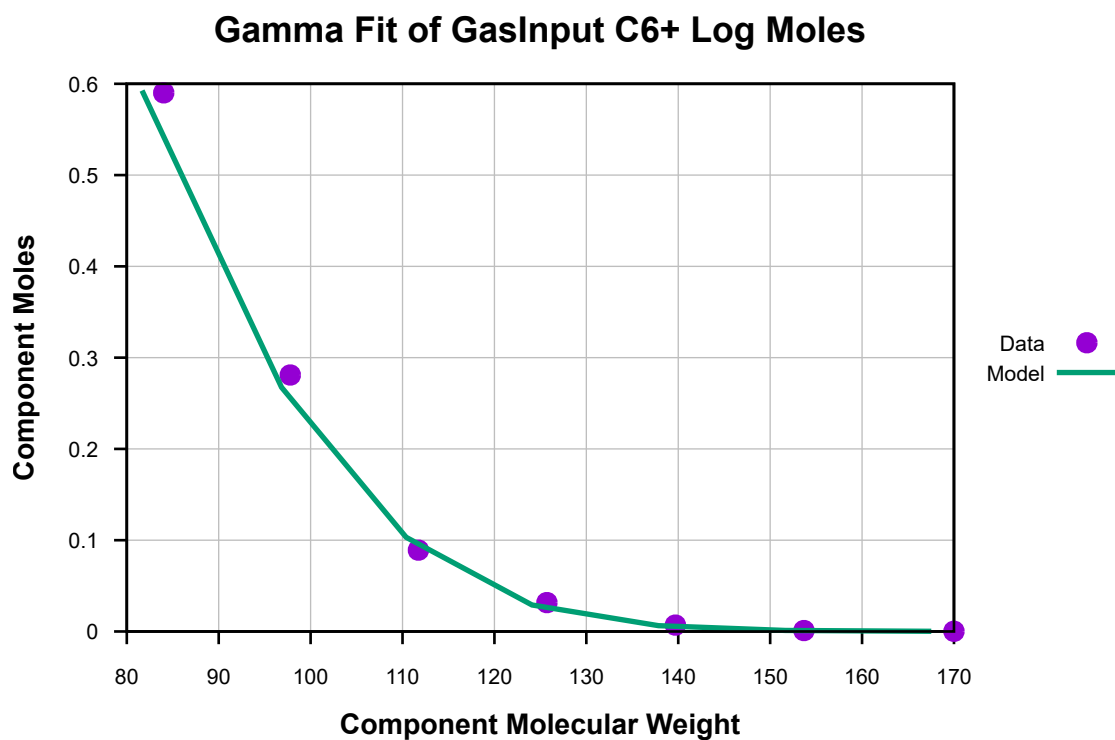


Figure 14: Molar Gamma Fit of GasInput C6+ Log Moles. Gamma Shape = 20.667, Average = 90.37, Bound = 73.45, Origin = 0.00.

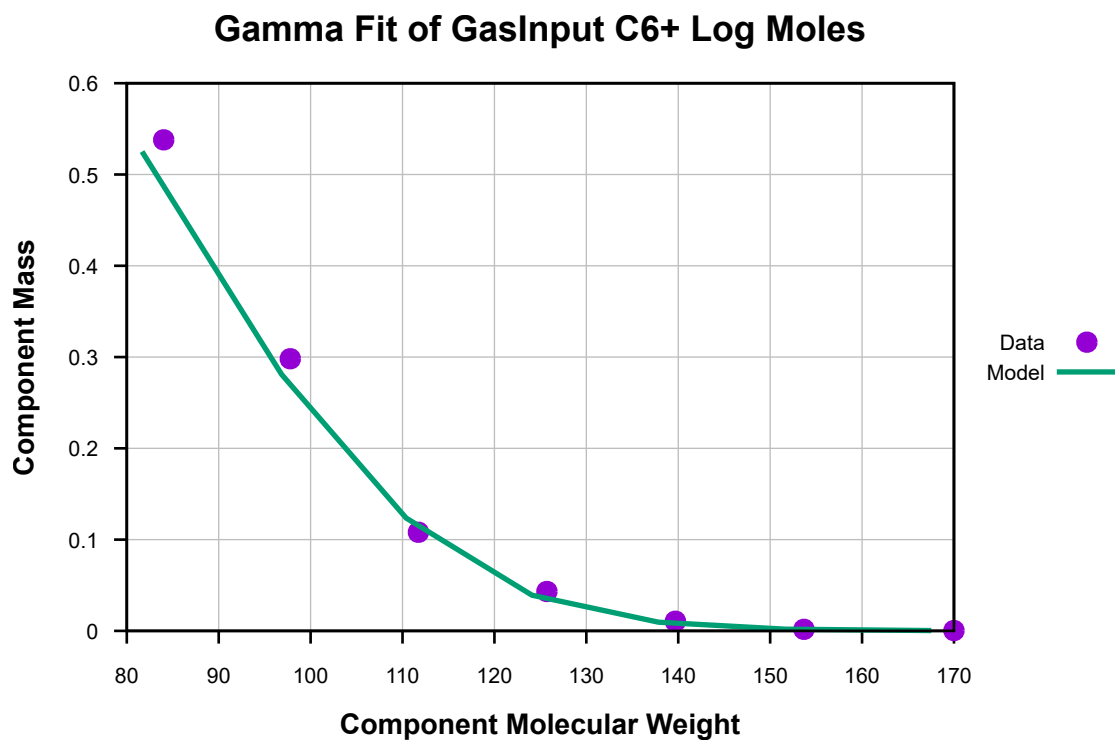


Figure 15: Mass Gamma Fit of GasInput C6+ Log Moles. Gamma Shape = 20.667, Average = 90.37, Bound = 73.45, Origin = 0.00.

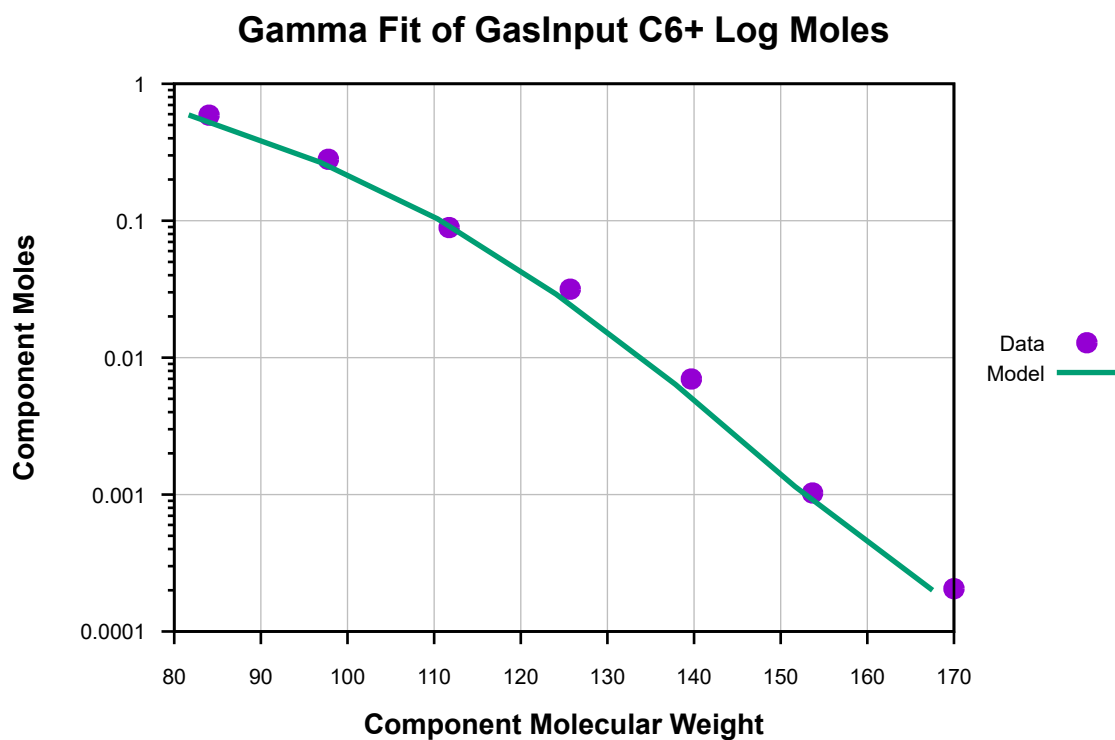


Figure 16: Molar Gamma Fit of GasInput C6+ Log Moles. Gamma Shape = 20.667, Average = 90.37, Bound = 73.45, Origin = 0.00.

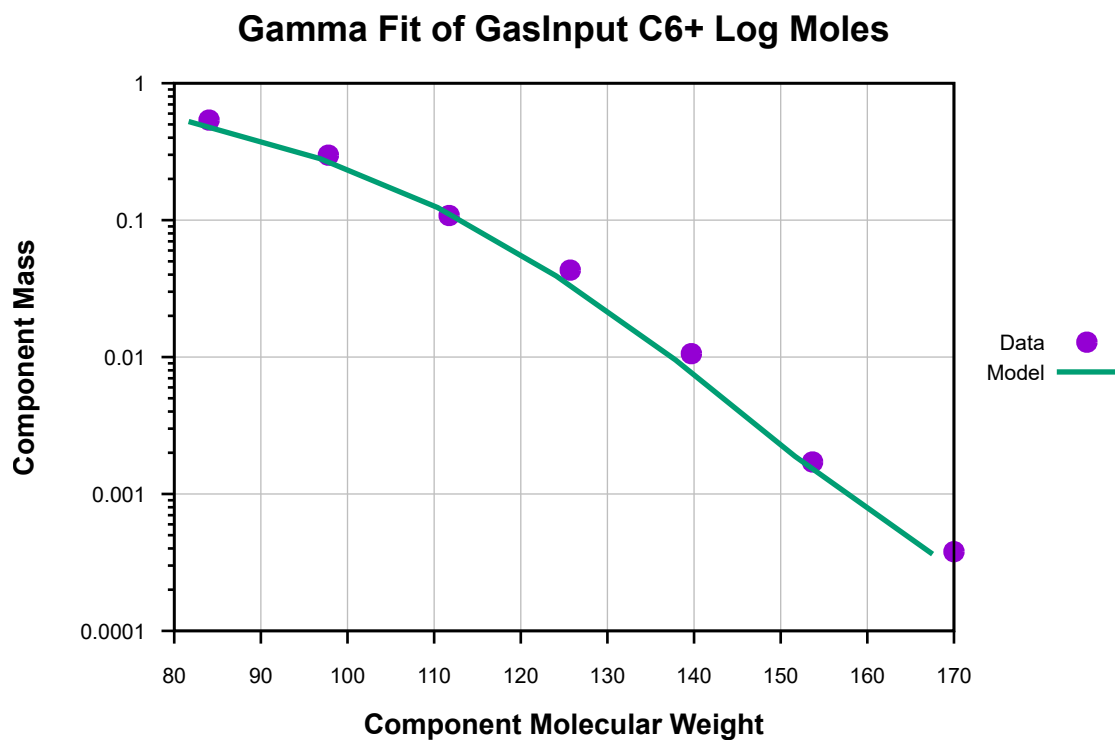


Figure 17: Mass Gamma Fit of GasInput C6+ Log Moles. Gamma Shape = 20.667, Average = 90.37, Bound = 73.45, Origin = 0.00.

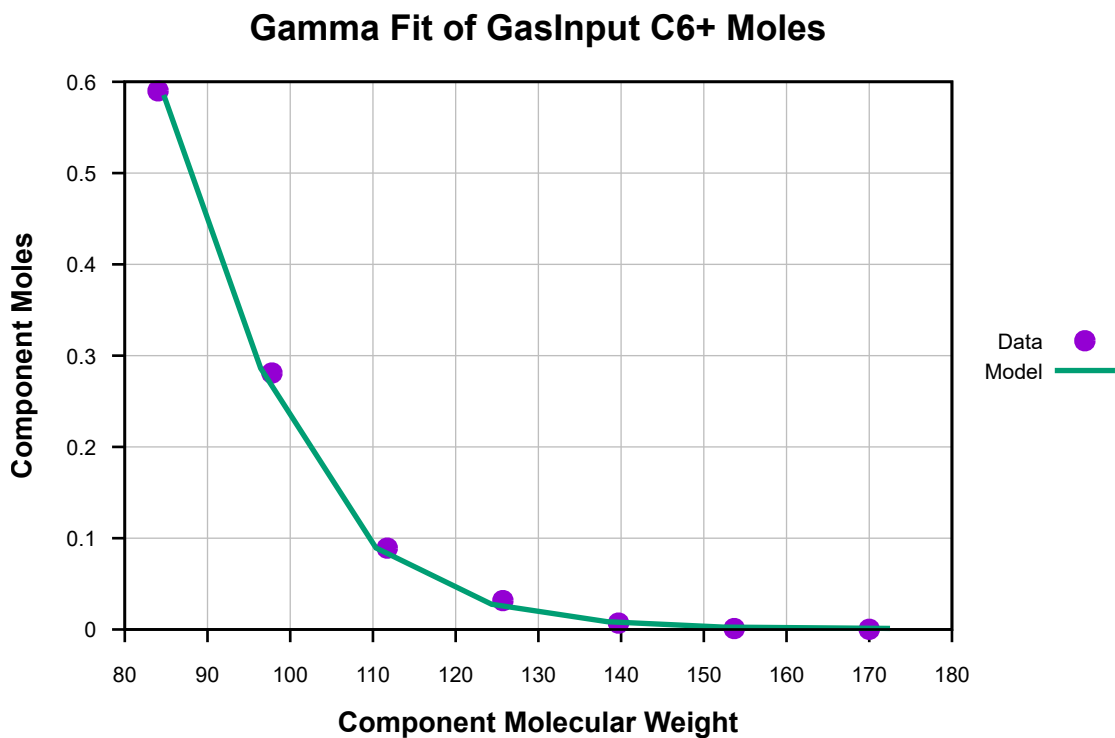


Figure 18: Molar Gamma Fit of GasInput C6+ Moles. Gamma Shape = 1.0202, Average = 92.18, Bound = 80.11, Origin = 80.11.

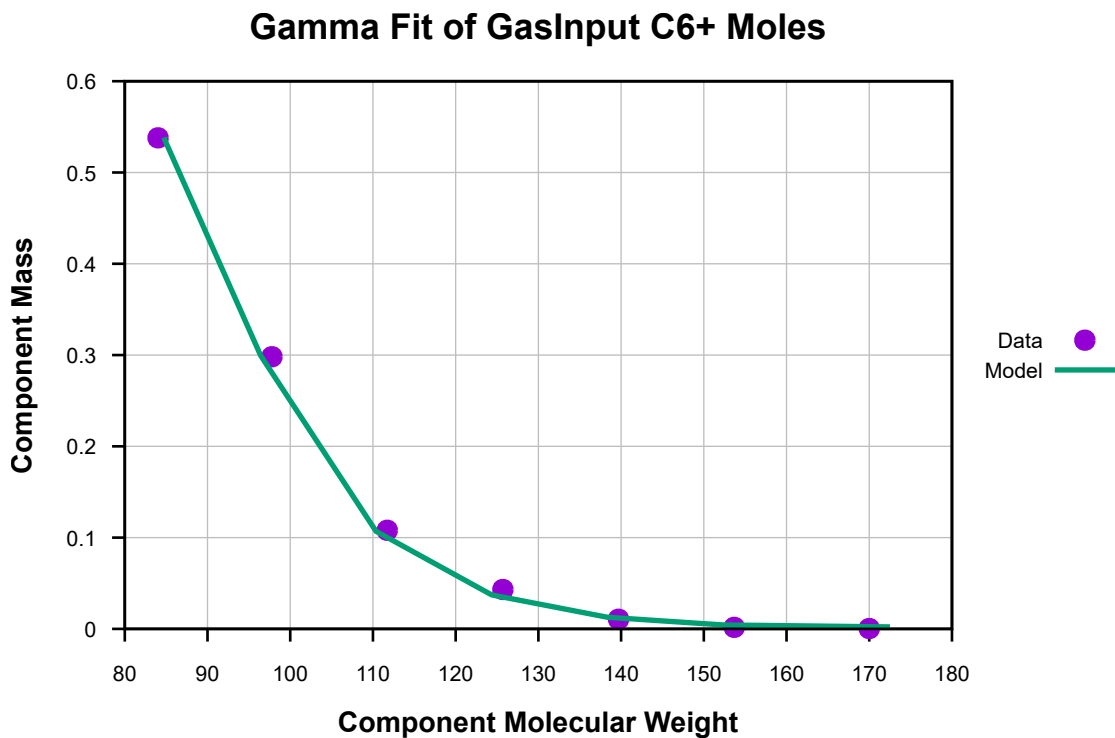


Figure 19: Mass Gamma Fit of GasInput C6+ Moles. Gamma Shape = 1.0202, Average = 92.18, Bound = 80.11, Origin = 80.11.

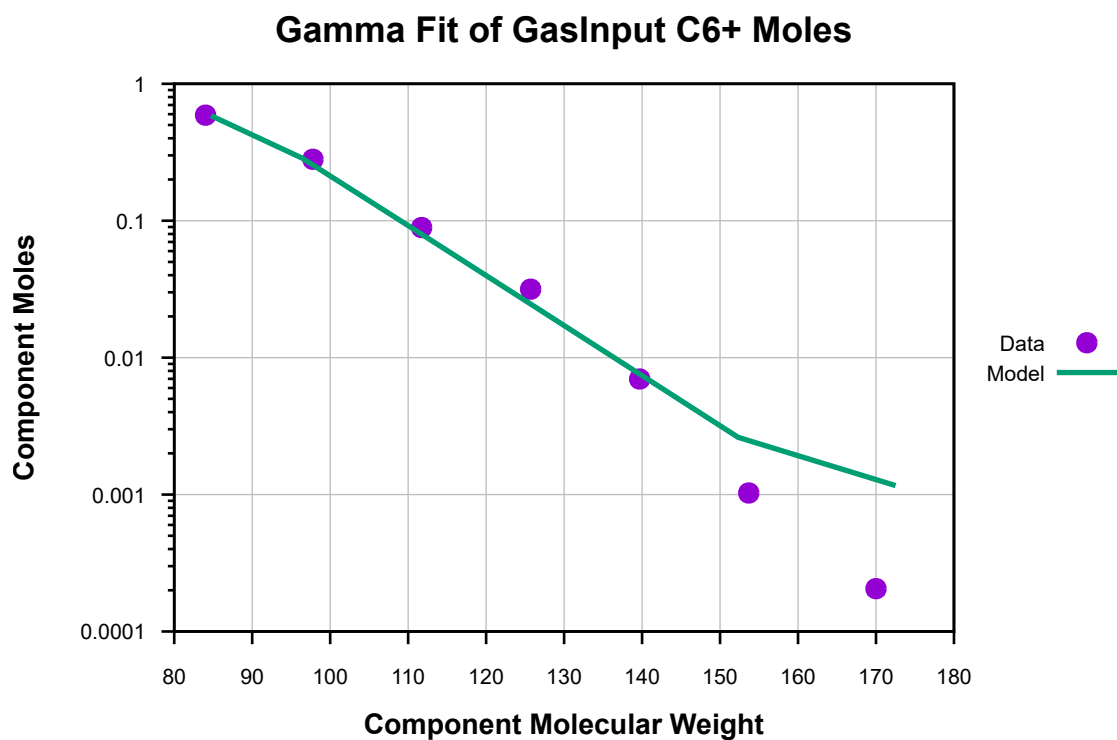


Figure 20: Molar Gamma Fit of GasInput C6+ Moles. Gamma Shape = 1.0202, Average = 92.18, Bound = 80.11, Origin = 80.11.

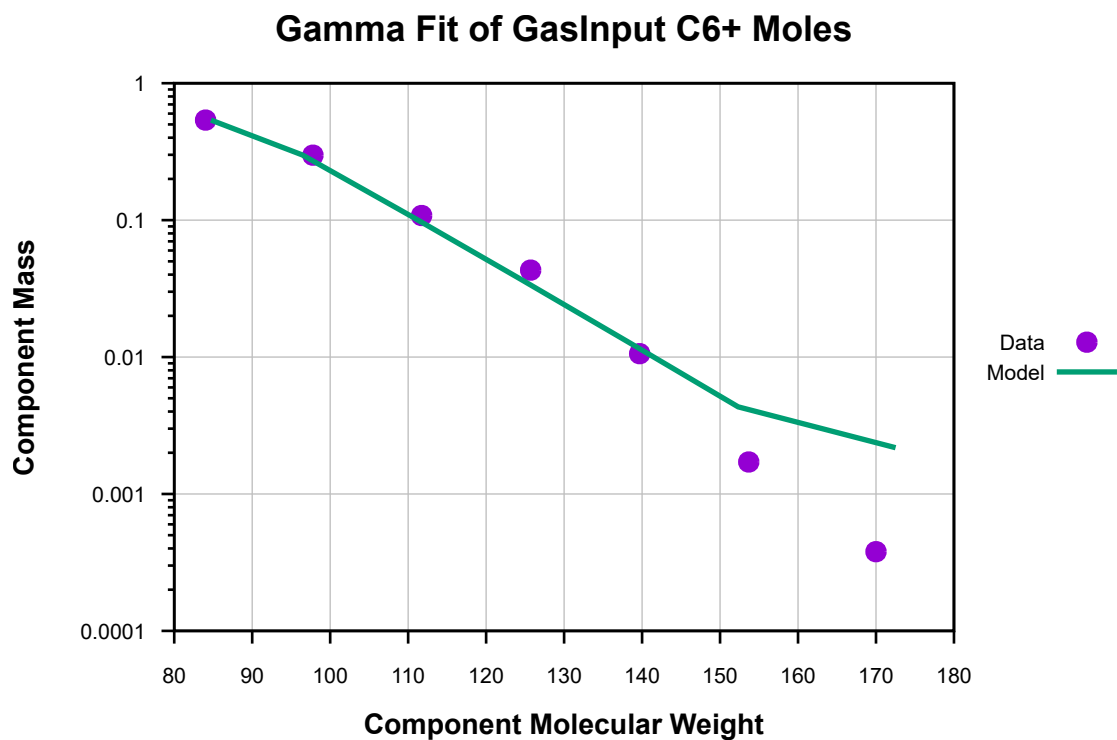


Figure 21: Mass Gamma Fit of GasInput C6+ Moles. Gamma Shape = 1.0202, Average = 92.18, Bound = 80.11, Origin = 80.11.

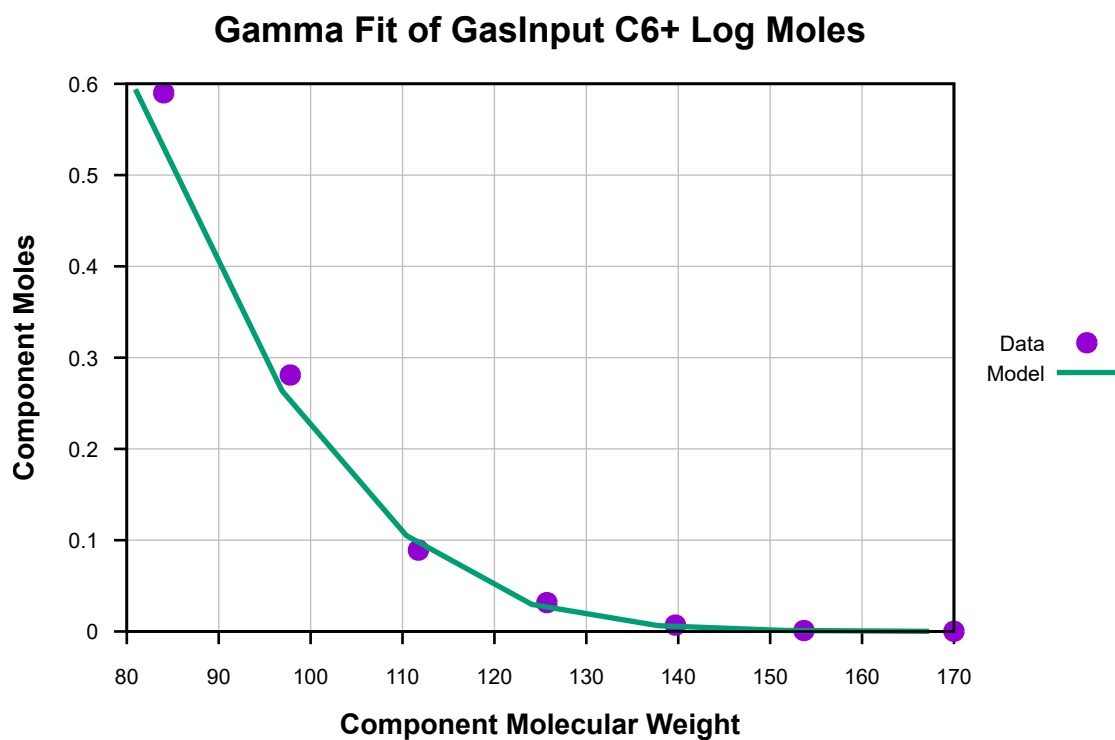


Figure 22: Molar Gamma Fit of GasInput C6+ Log Moles. Gamma Shape = 22.675, Average = 89.97, Bound = 71.57, Origin = 0.00.

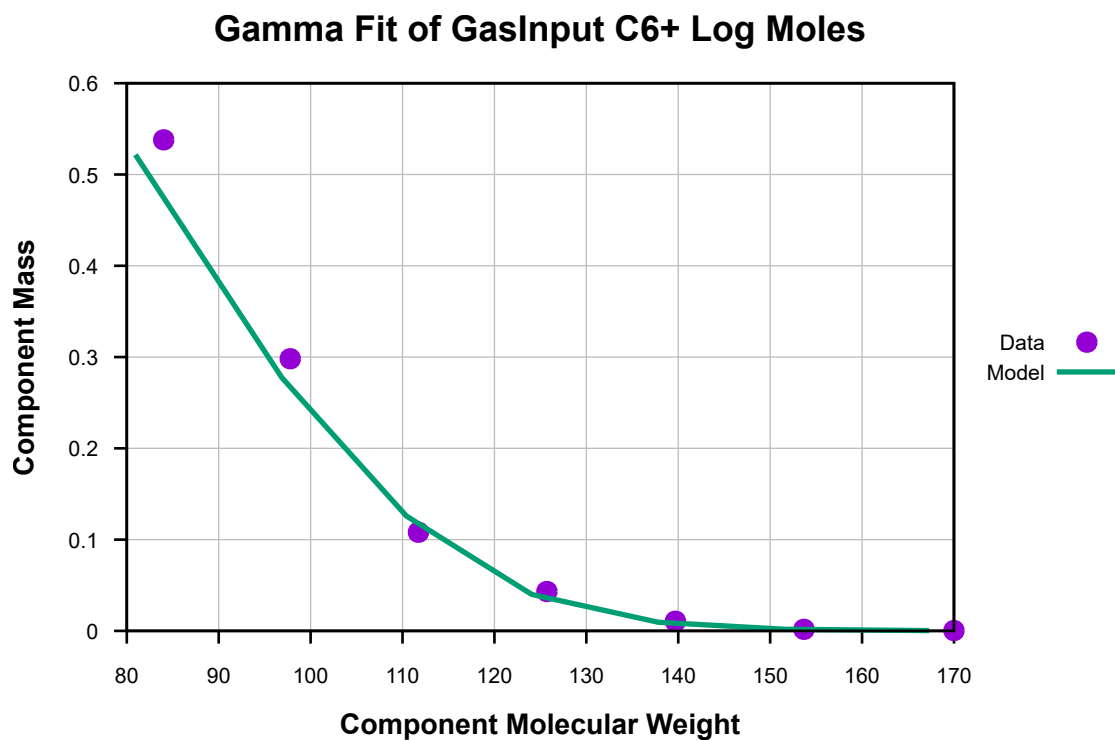


Figure 23: Mass Gamma Fit of GasInput C6+ Log Moles. Gamma Shape = 22.675, Average = 89.97, Bound = 71.57, Origin = 0.00.

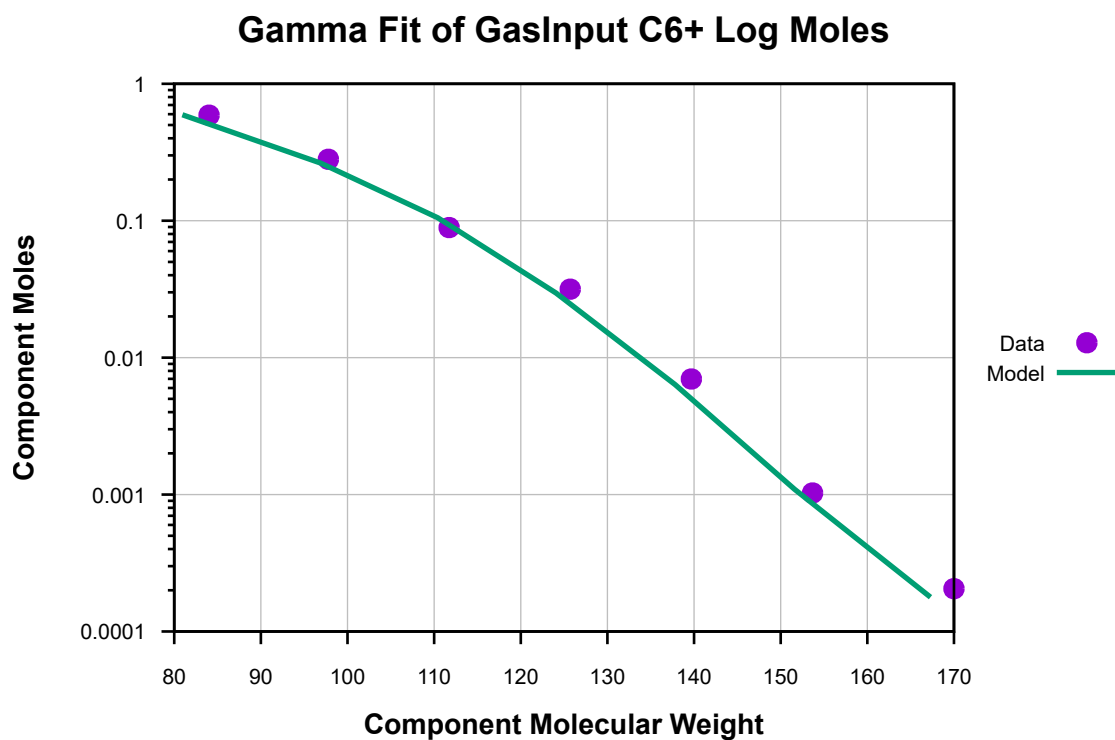


Figure 24: Molar Gamma Fit of GasInput C6+ Log Moles. Gamma Shape = 22.675, Average = 89.97, Bound = 71.57, Origin = 0.00.

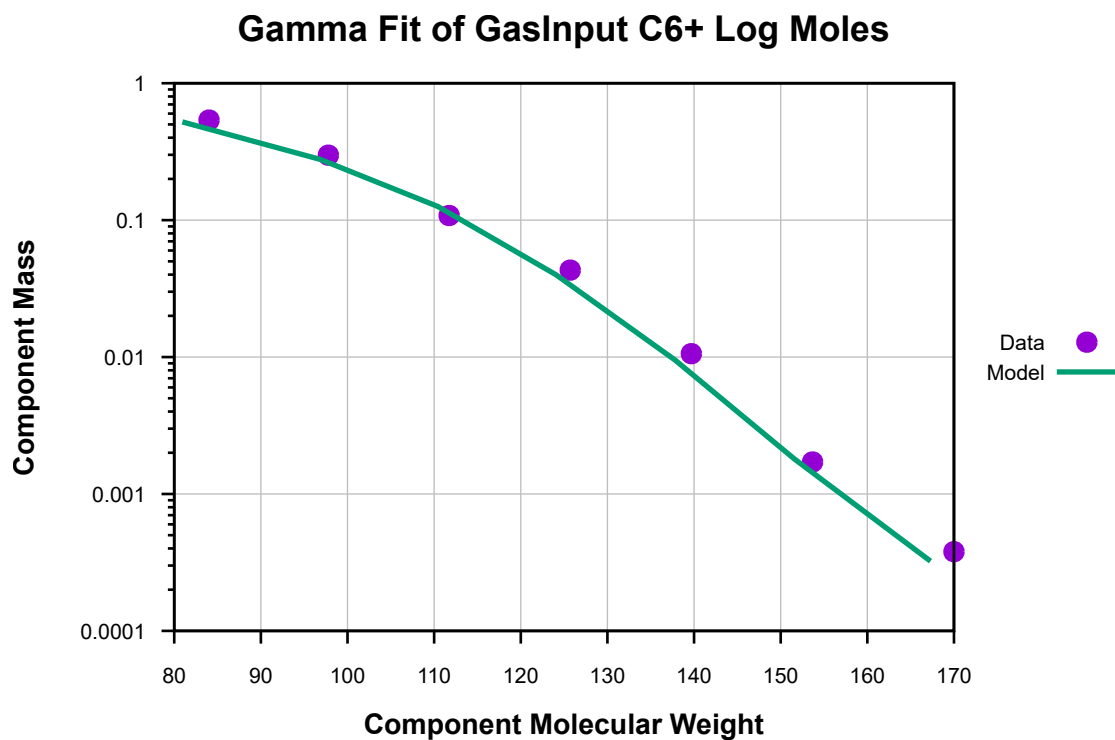


Figure 25: Mass Gamma Fit of GasInput C6+ Log Moles. Gamma Shape = 22.675, Average = 89.97, Bound = 71.57, Origin = 0.00.

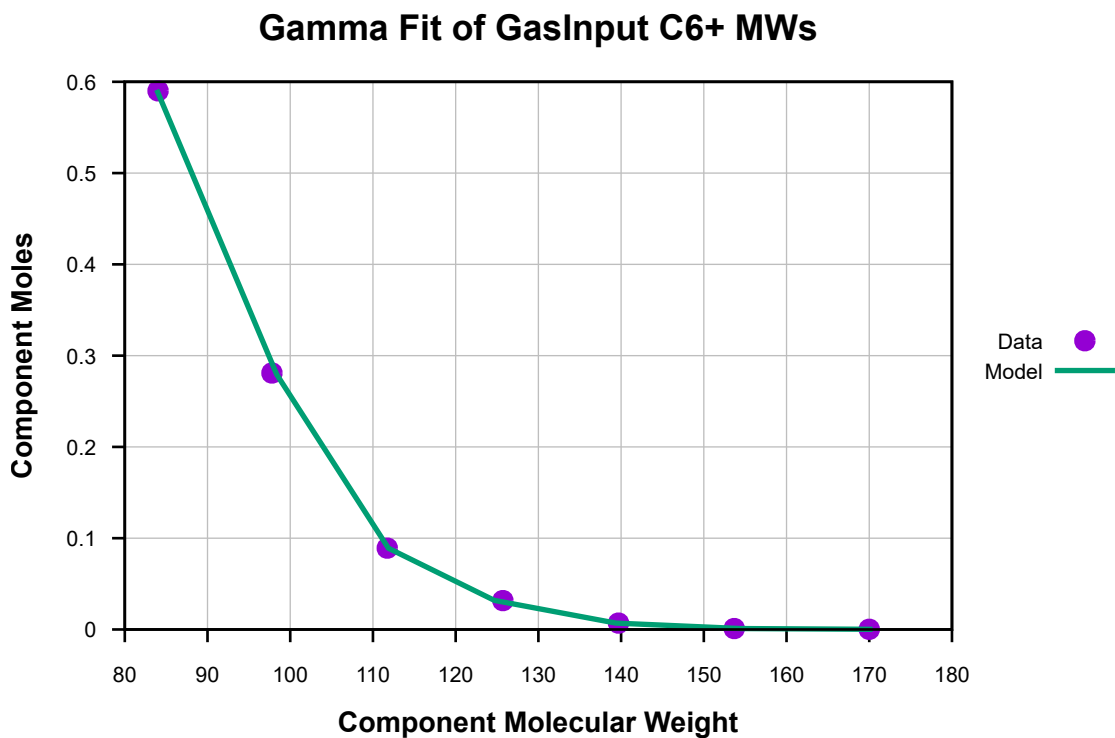


Figure 26: Molar Gamma Fit of GasInput C6+ MWs. Gamma Shape = 18.188, Average = 92.19, Bound = 76.79, Origin = 0.00.

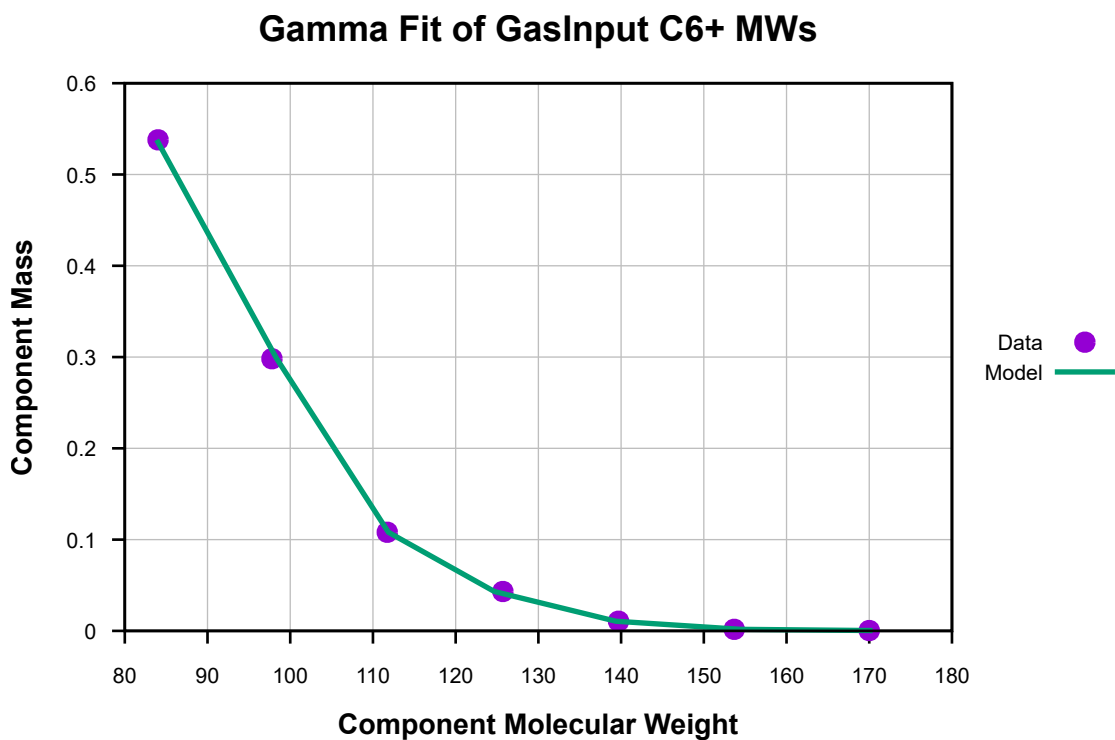


Figure 27: Mass Gamma Fit of GasInput C6+ MWs. Gamma Shape = 18.188, Average = 92.19, Bound = 76.79, Origin = 0.00.

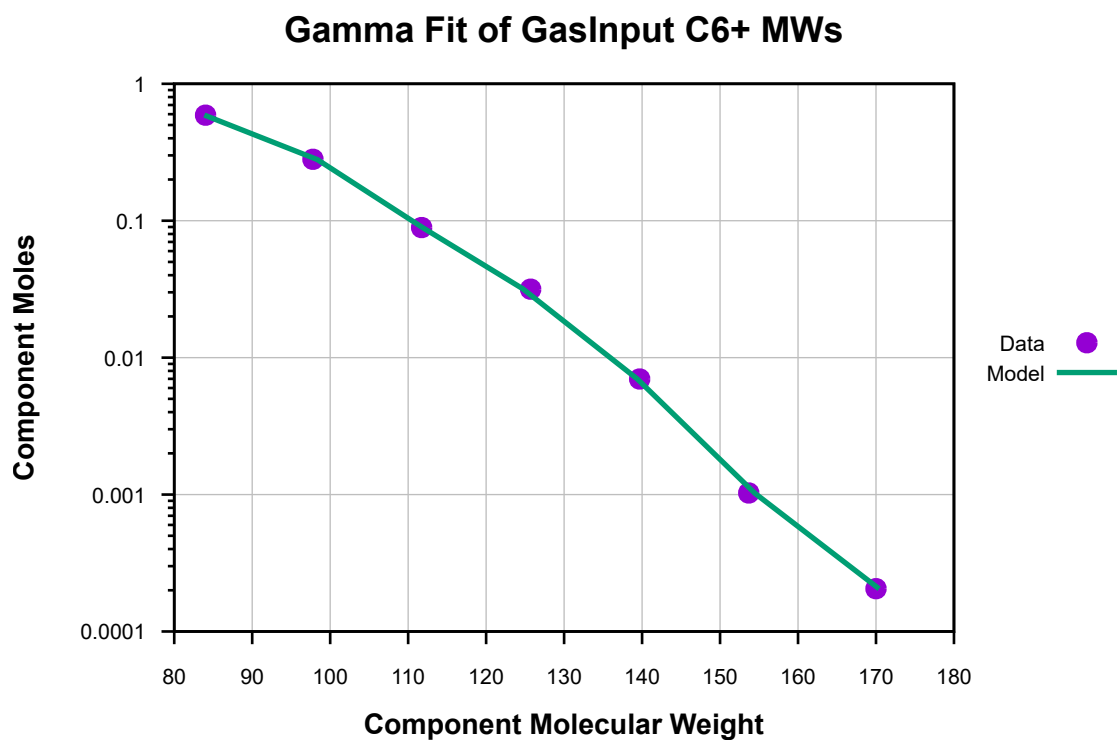


Figure 28: Molar Gamma Fit of GasInput C6+ MWs. Gamma Shape = 18.188, Average = 92.19, Bound = 76.79, Origin = 0.00.

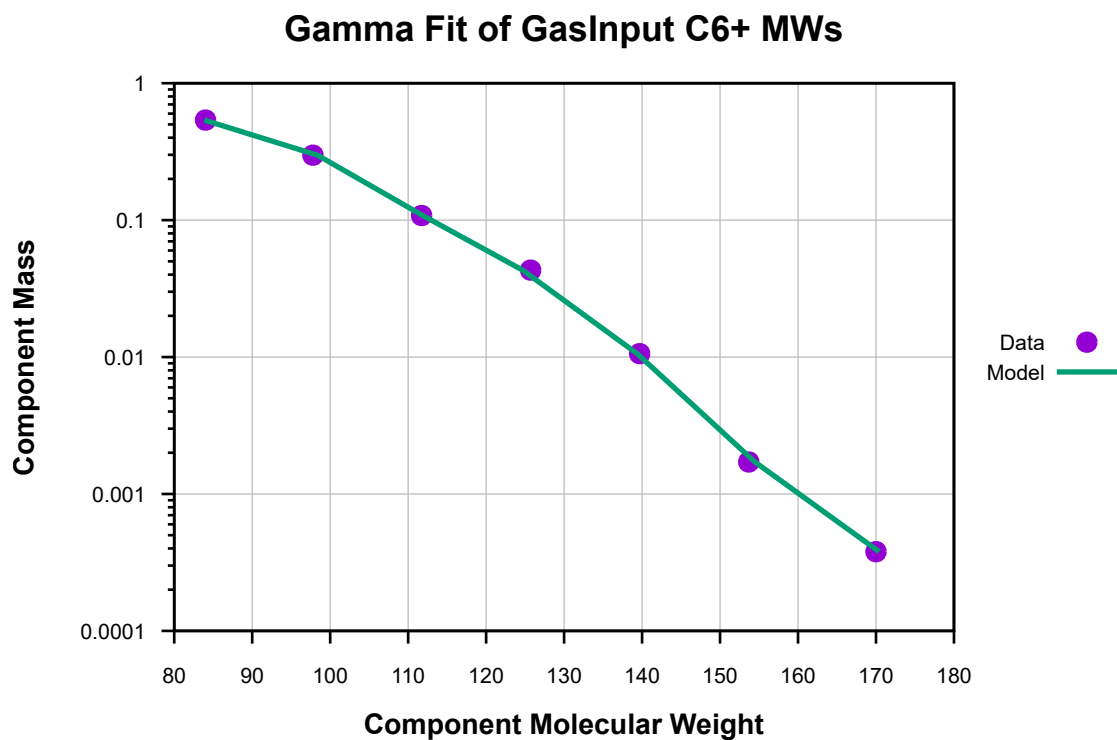


Figure 29: Mass Gamma Fit of GasInput C6+ MWs. Gamma Shape = 18.188, Average = 92.19, Bound = 76.79, Origin = 0.00.

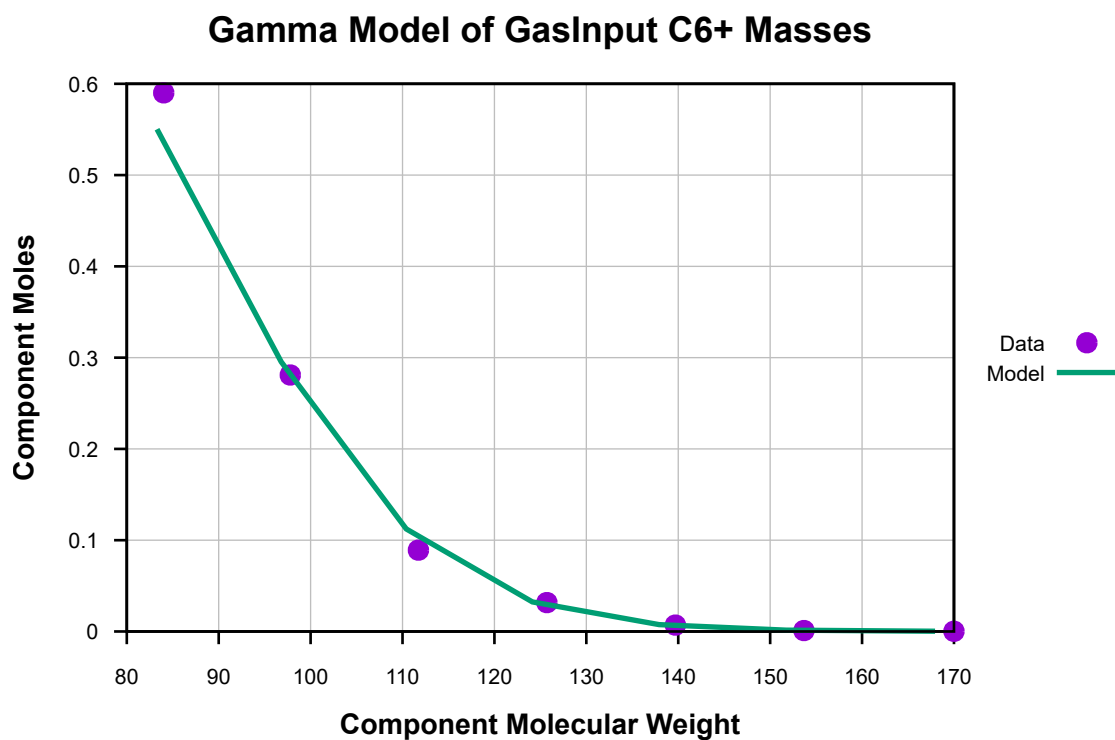


Figure 30: Molar Gamma Model of GasInput C6+ Masses. Gamma Shape = 18.188, Average = 92.19, Bound = 76.79, Origin = 0.00.

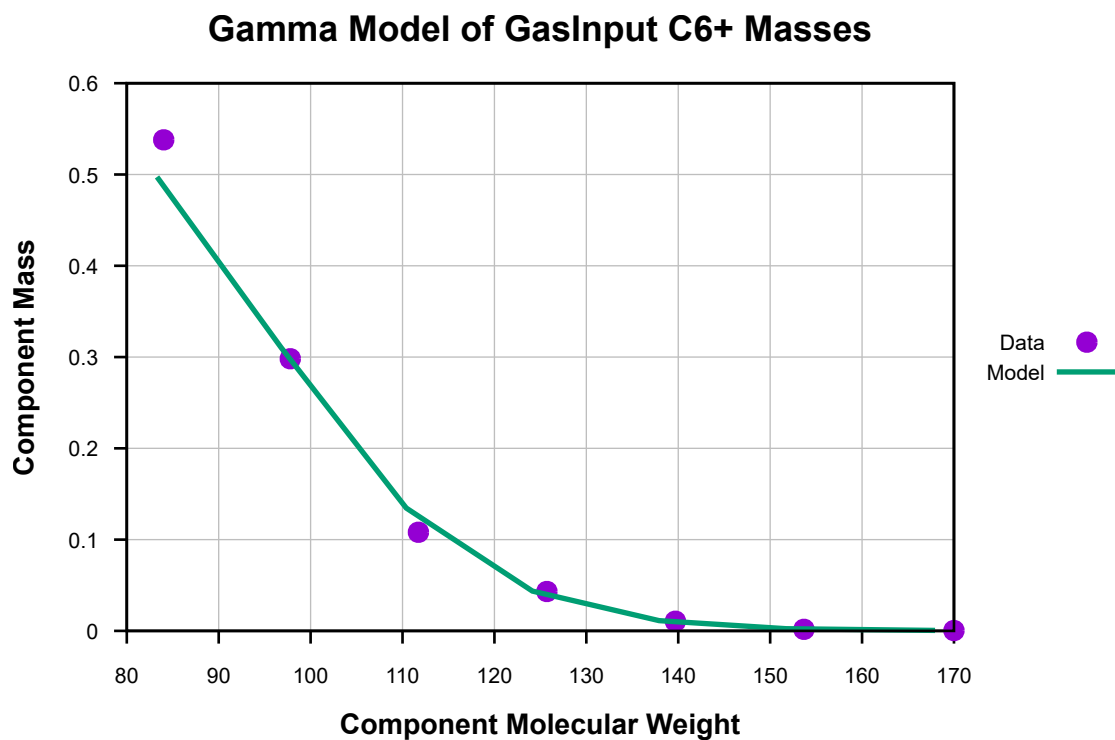


Figure 31: Mass Gamma Model of GasInput C6+ Masses. Gamma Shape = 18.188, Average = 92.19, Bound = 76.79, Origin = 0.00.

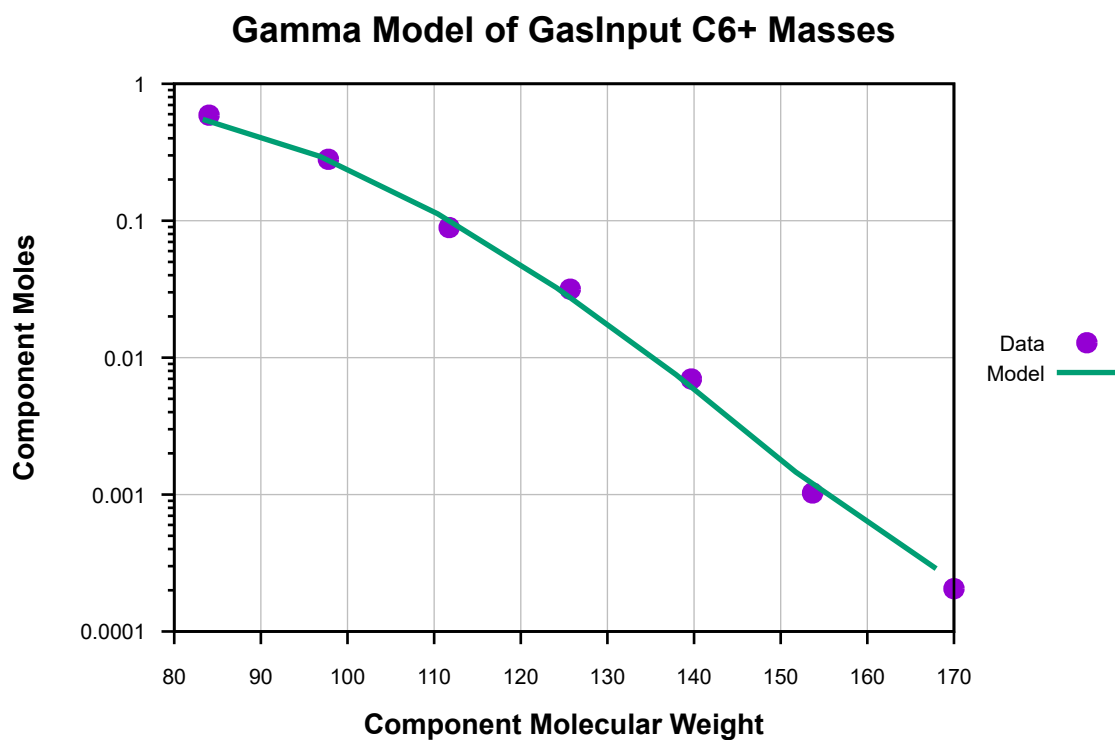


Figure 32: Molar Gamma Model of GasInput C6+ Masses. Gamma Shape = 18.188, Average = 92.19, Bound = 76.79, Origin = 0.00.

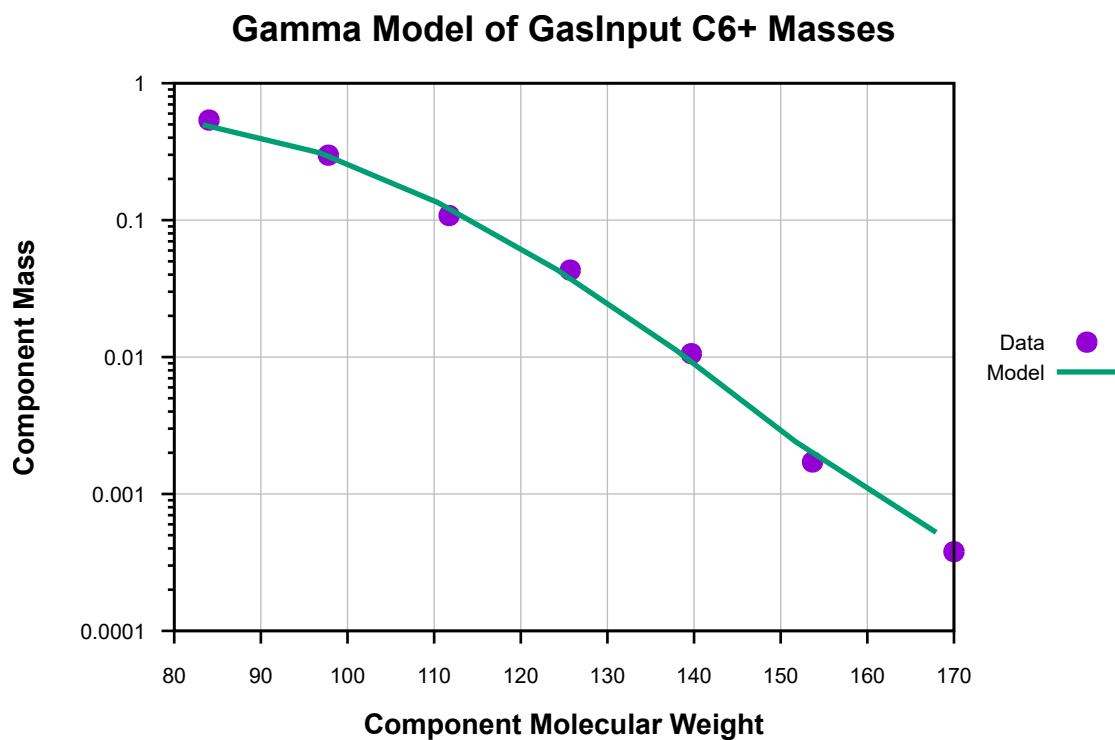


Figure 33: Mass Gamma Model of GasInput C6+ Masses. Gamma Shape = 18.188, Average = 92.19, Bound = 76.79, Origin = 0.00.

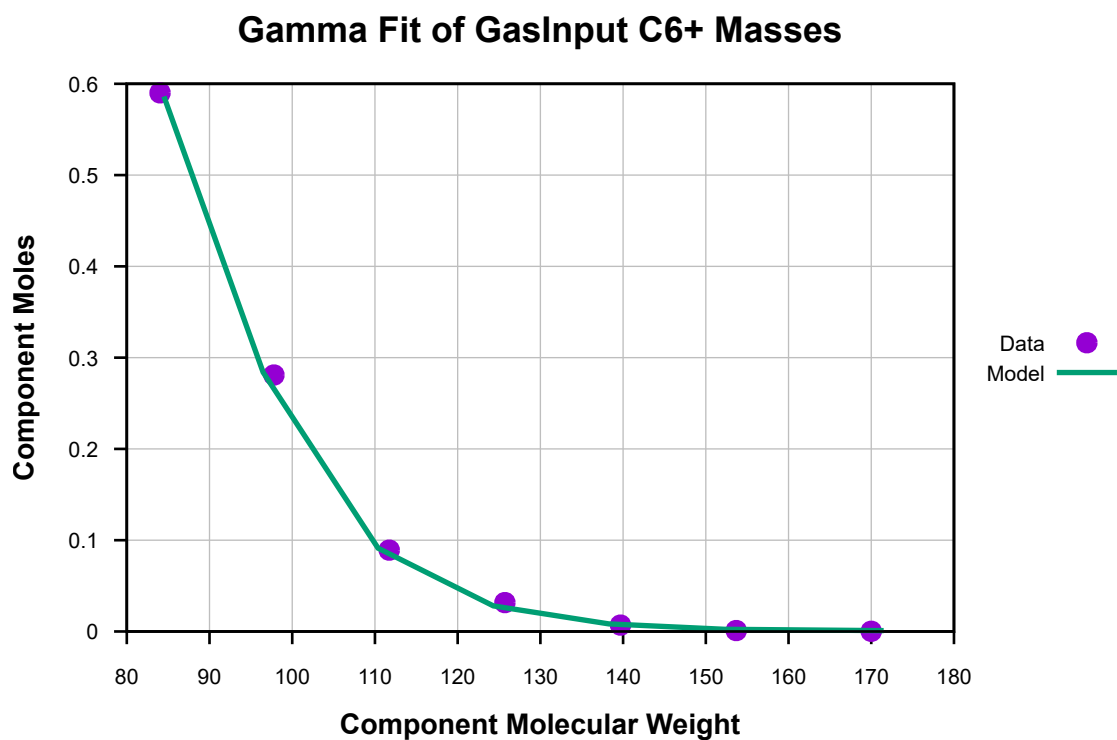


Figure 34: Molar Gamma Fit of GasInput C6+ Masses. Gamma Shape = 3.5457, Average = 92.06, Bound = 79.74, Origin = 0.00.

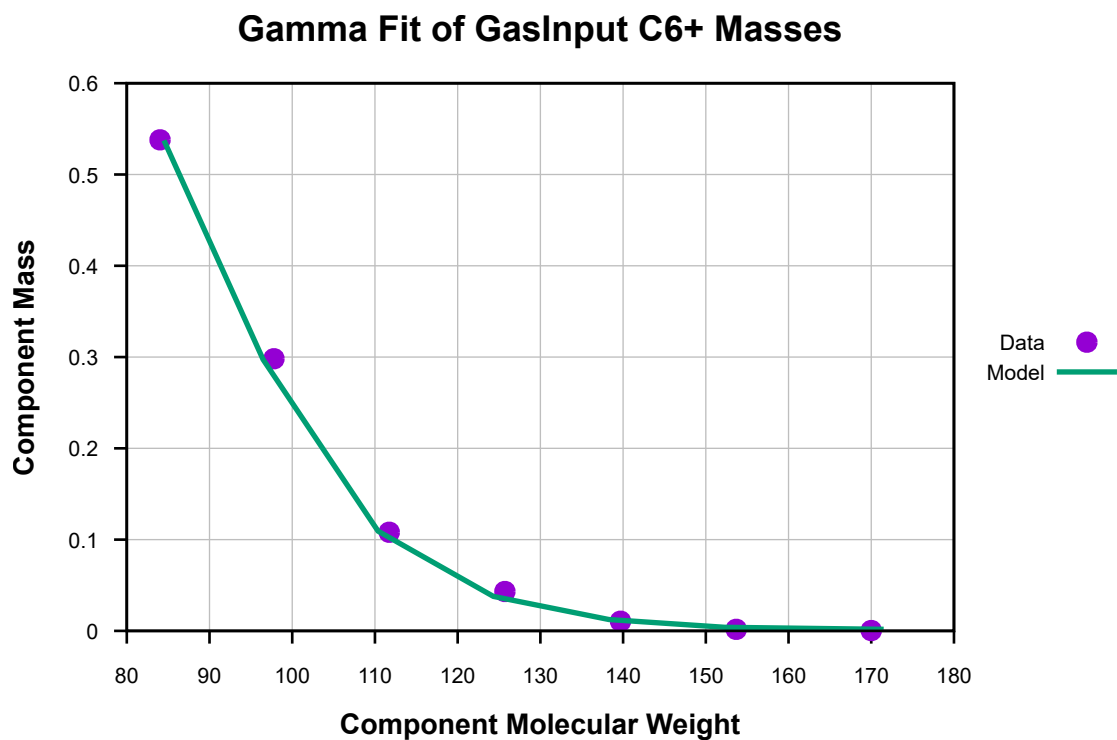


Figure 35: Mass Gamma Fit of GasInput C6+ Masses. Gamma Shape = 3.5457, Average = 92.06, Bound = 79.74, Origin = 0.00.

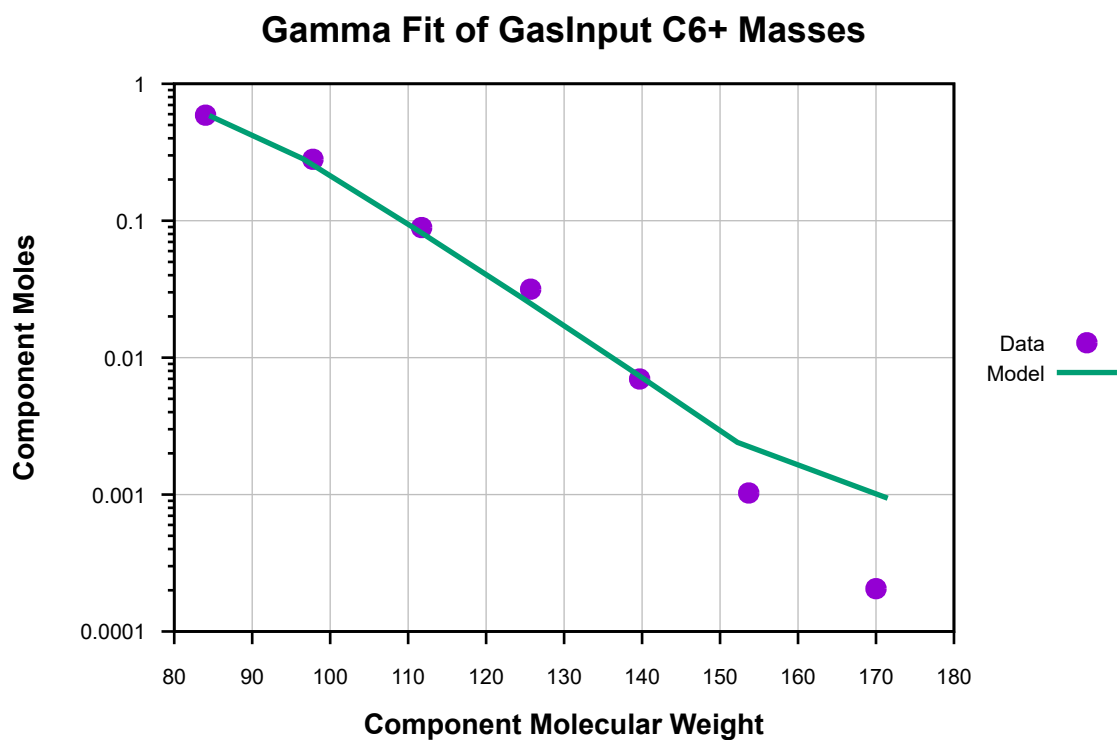


Figure 36: Molar Gamma Fit of GasInput C6+ Masses. Gamma Shape = 3.5457, Average = 92.06, Bound = 79.74, Origin = 0.00.

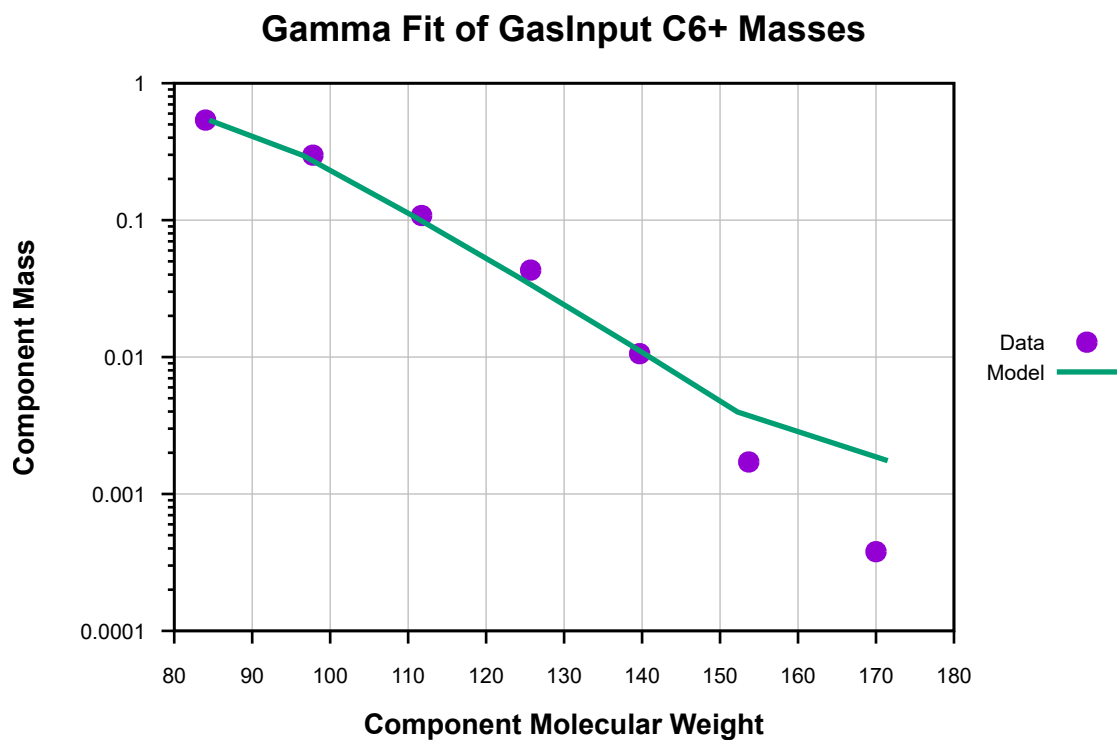


Figure 37: Mass Gamma Fit of GasInput C6+ Masses. Gamma Shape = 3.5457, Average = 92.06, Bound = 79.74, Origin = 0.00.

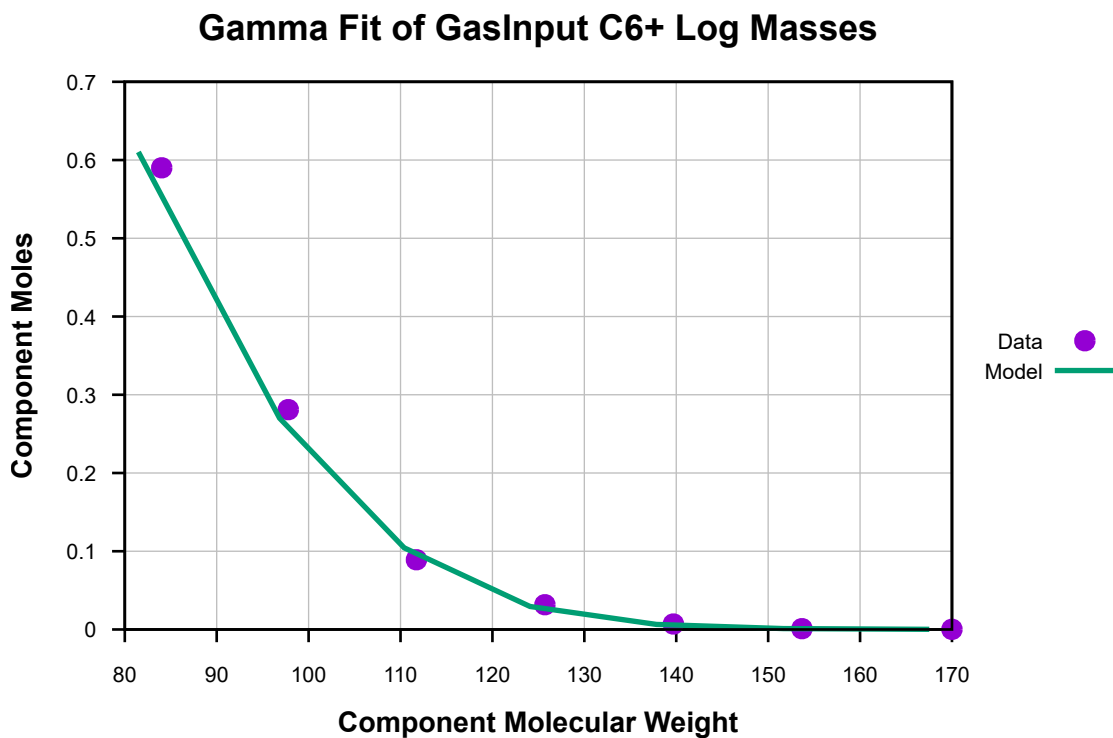


Figure 38: Molar Gamma Fit of GasInput C6+ Log Masses. Gamma Shape = 20.694, Average = 90.17, Bound = 73.09, Origin = 0.00.

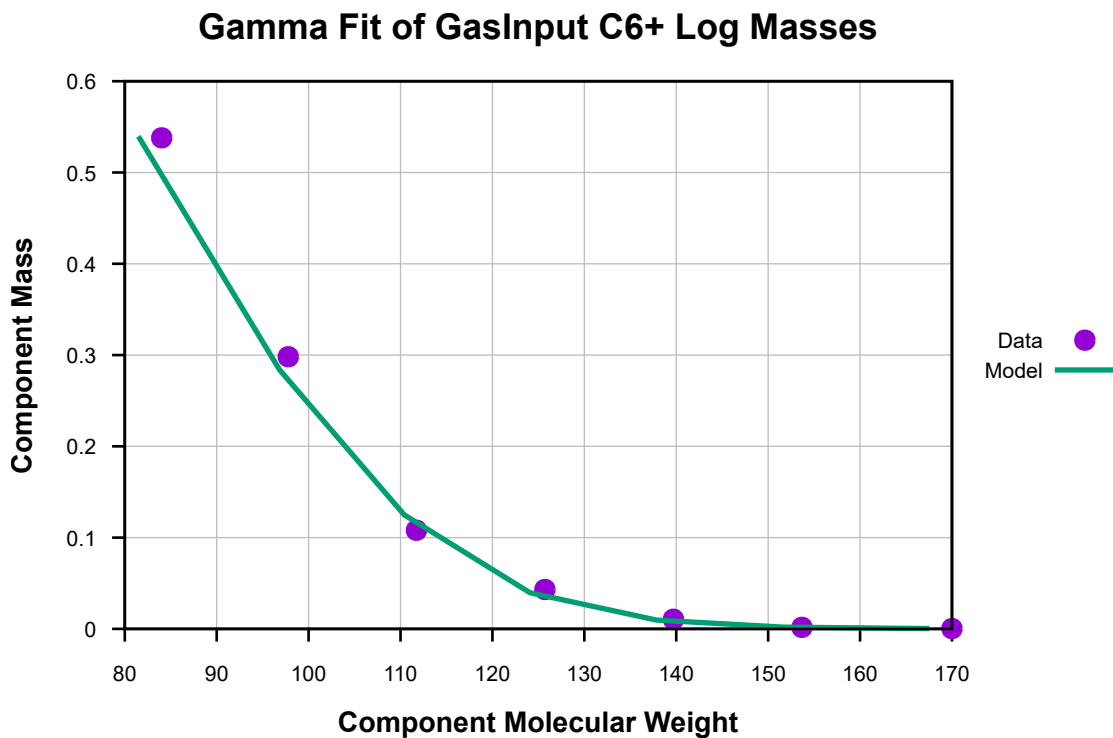


Figure 39: Mass Gamma Fit of GasInput C6+ Log Masses. Gamma Shape = 20.694, Average = 90.17, Bound = 73.09, Origin = 0.00.

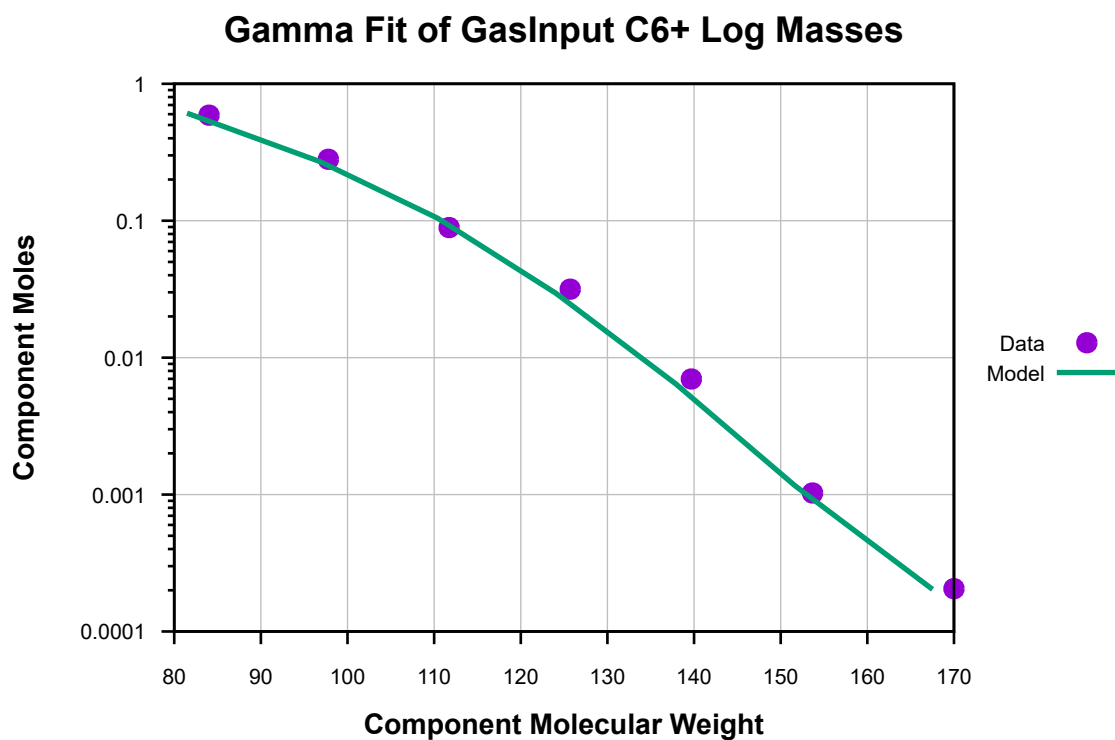


Figure 40: Molar Gamma Fit of GasInput C6+ Log Masses. Gamma Shape = 20.694, Average = 90.17, Bound = 73.09, Origin = 0.00.

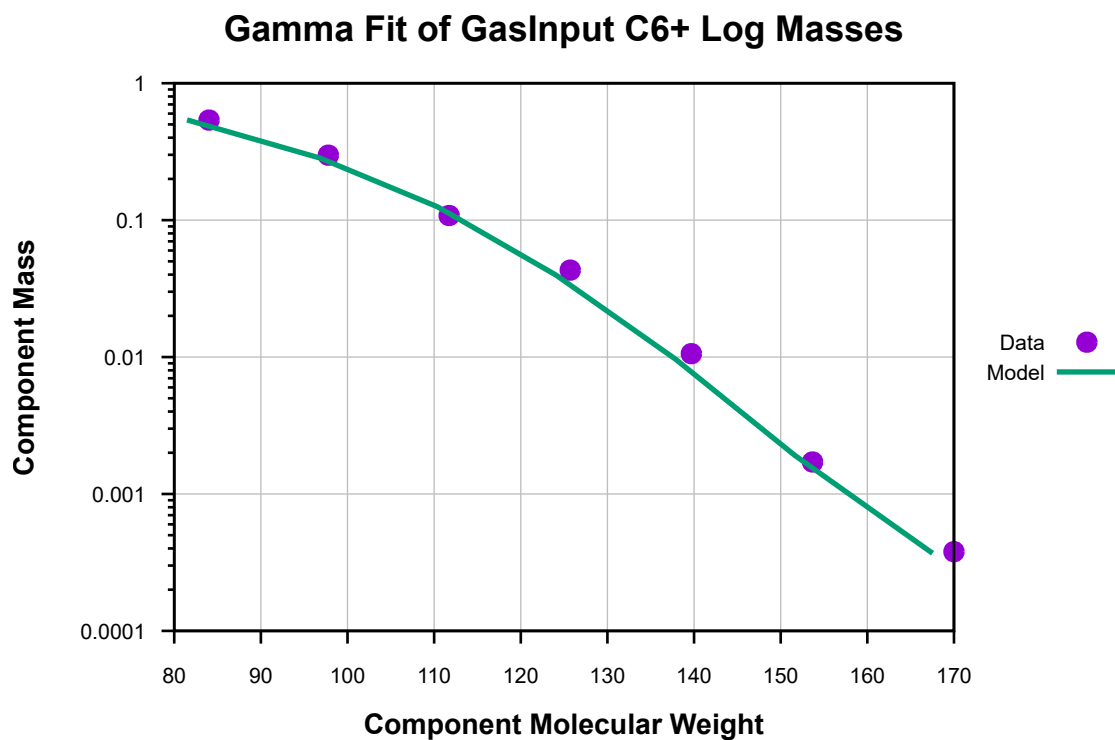


Figure 41: Mass Gamma Fit of GasInput C6+ Log Masses. Gamma Shape = 20.694, Average = 90.17, Bound = 73.09, Origin = 0.00.

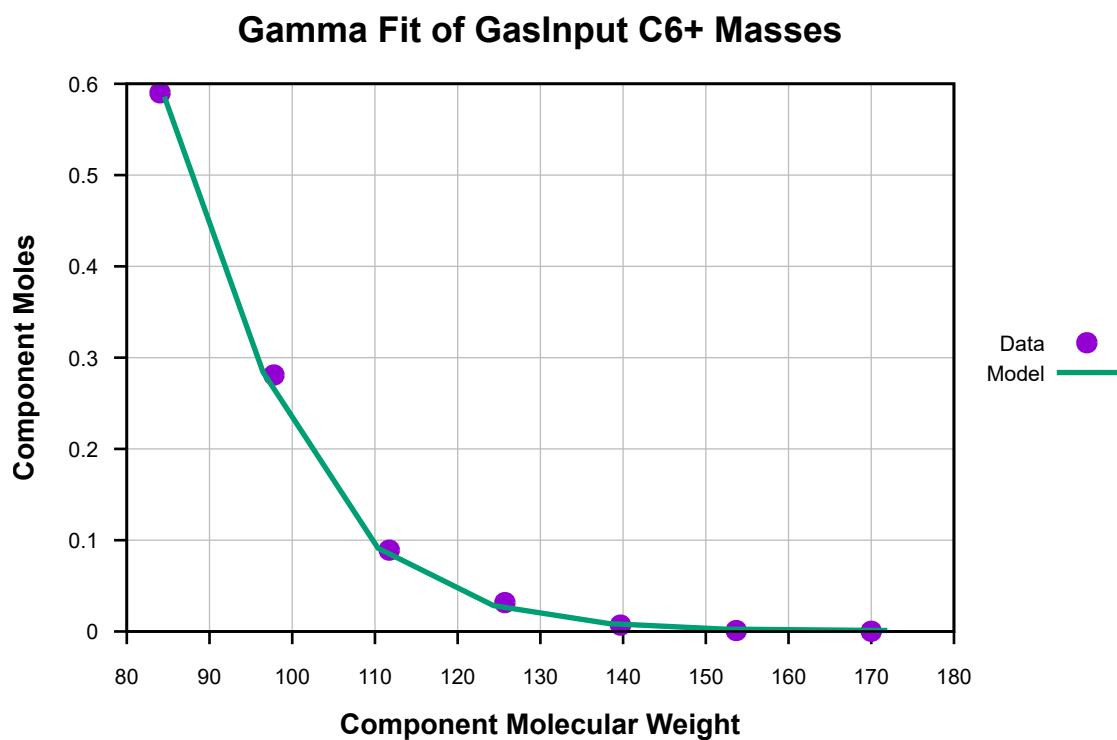


Figure 42: Molar Gamma Fit of GasInput C6+ Masses. Gamma Shape = 2.6588, Average = 92.14, Bound = 79.86, Origin = 0.00.

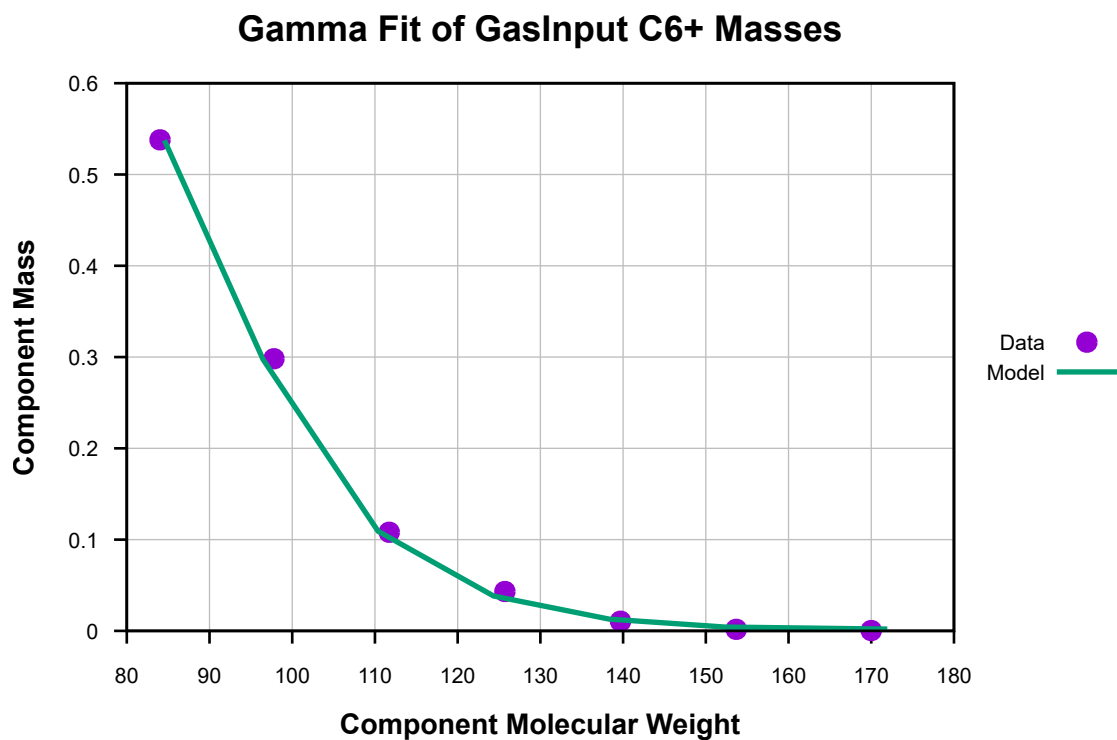


Figure 43: Mass Gamma Fit of GasInput C6+ Masses. Gamma Shape = 2.6588, Average = 92.14, Bound = 79.86, Origin = 0.00.

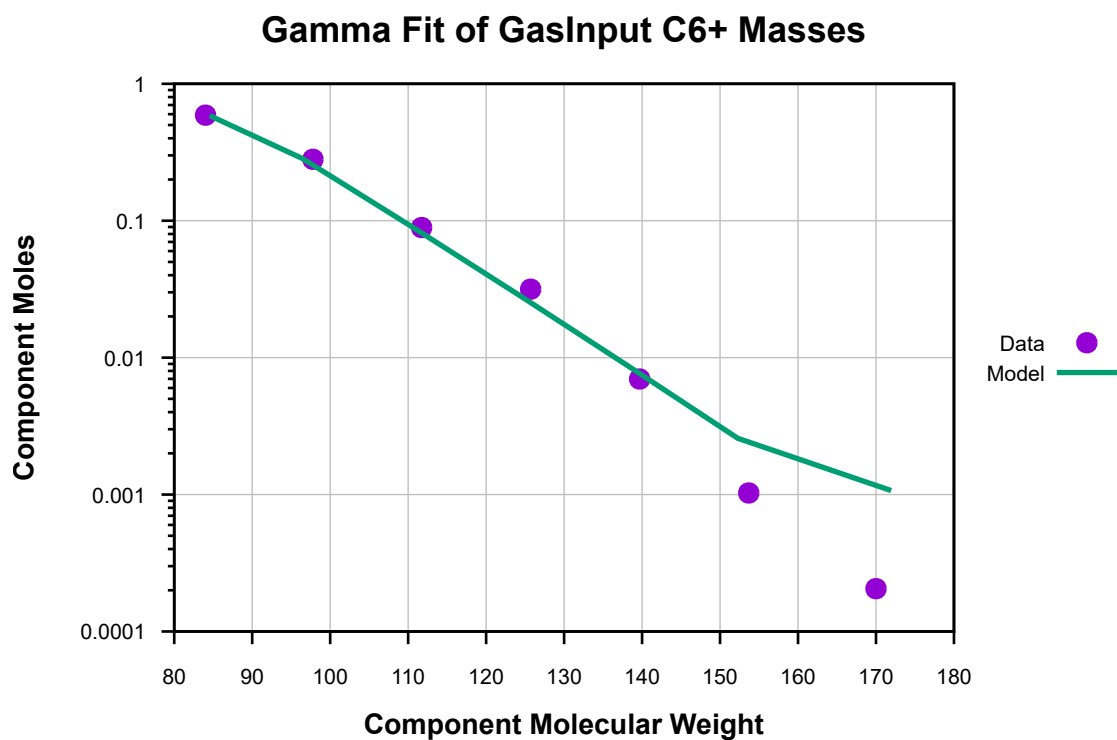


Figure 44: Molar Gamma Fit of GasInput C6+ Masses. Gamma Shape = 2.6588, Average = 92.14, Bound = 79.86, Origin = 0.00.

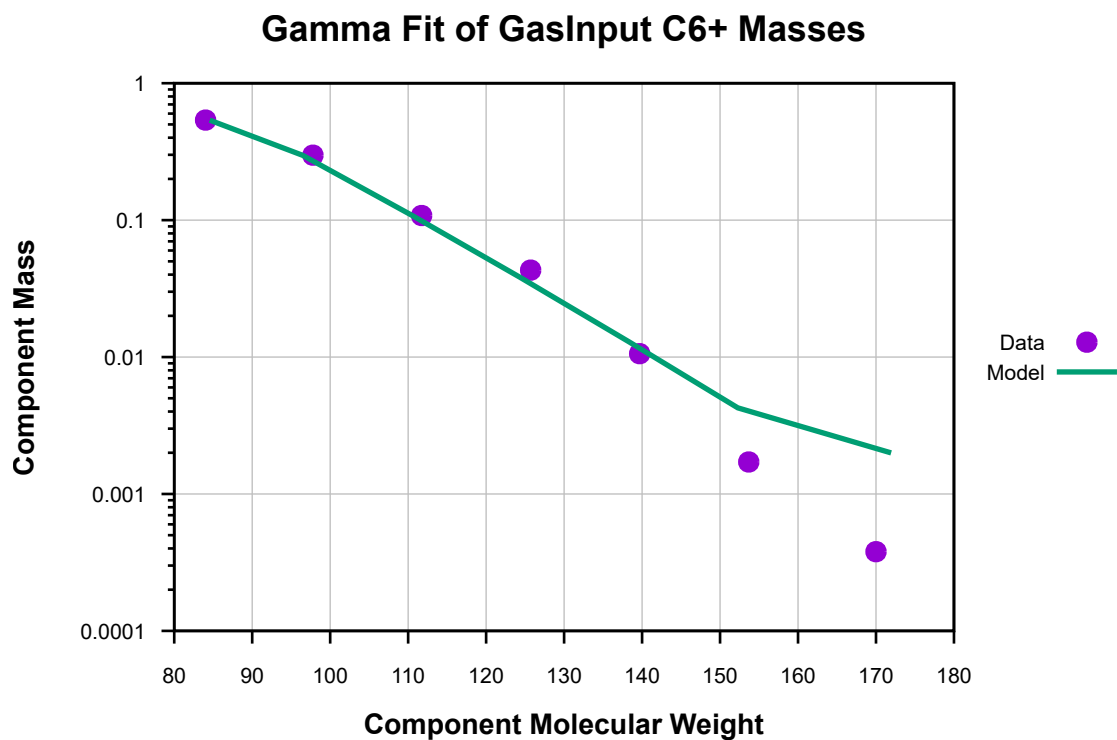


Figure 45: Mass Gamma Fit of GasInput C6+ Masses. Gamma Shape = 2.6588, Average = 92.14, Bound = 79.86, Origin = 0.00.

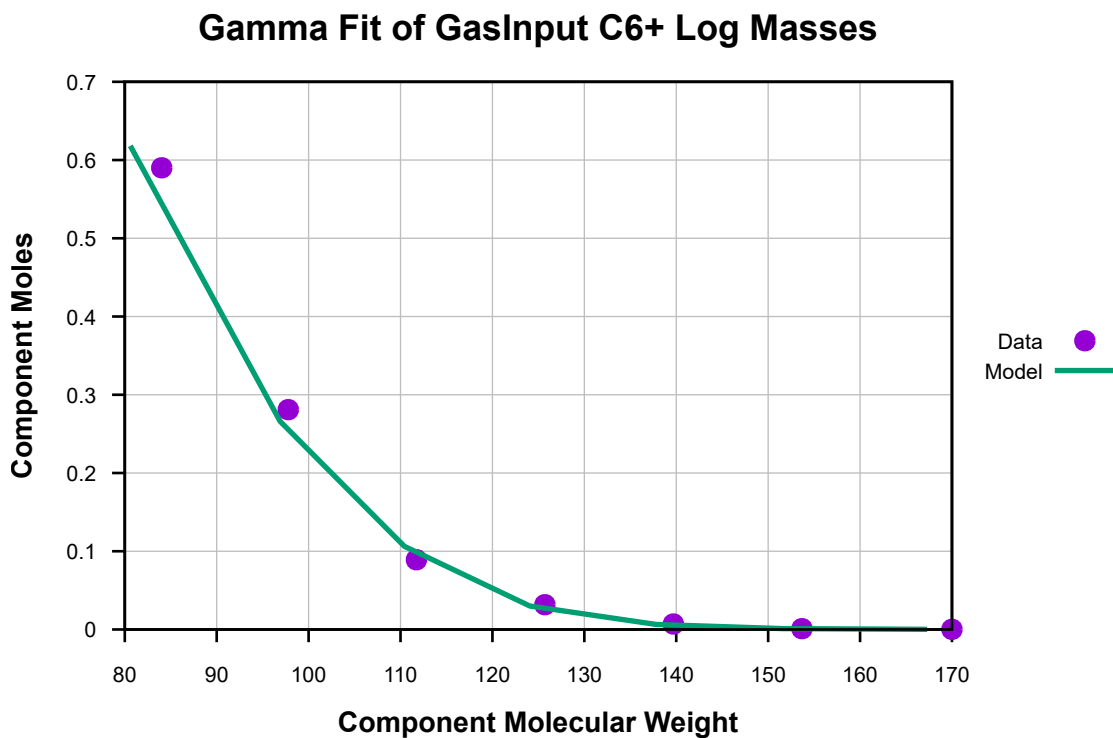


Figure 46: Molar Gamma Fit of GasInput C6+ Log Masses. Gamma Shape = 22.757, Average = 89.62, Bound = 70.82, Origin = 0.00.

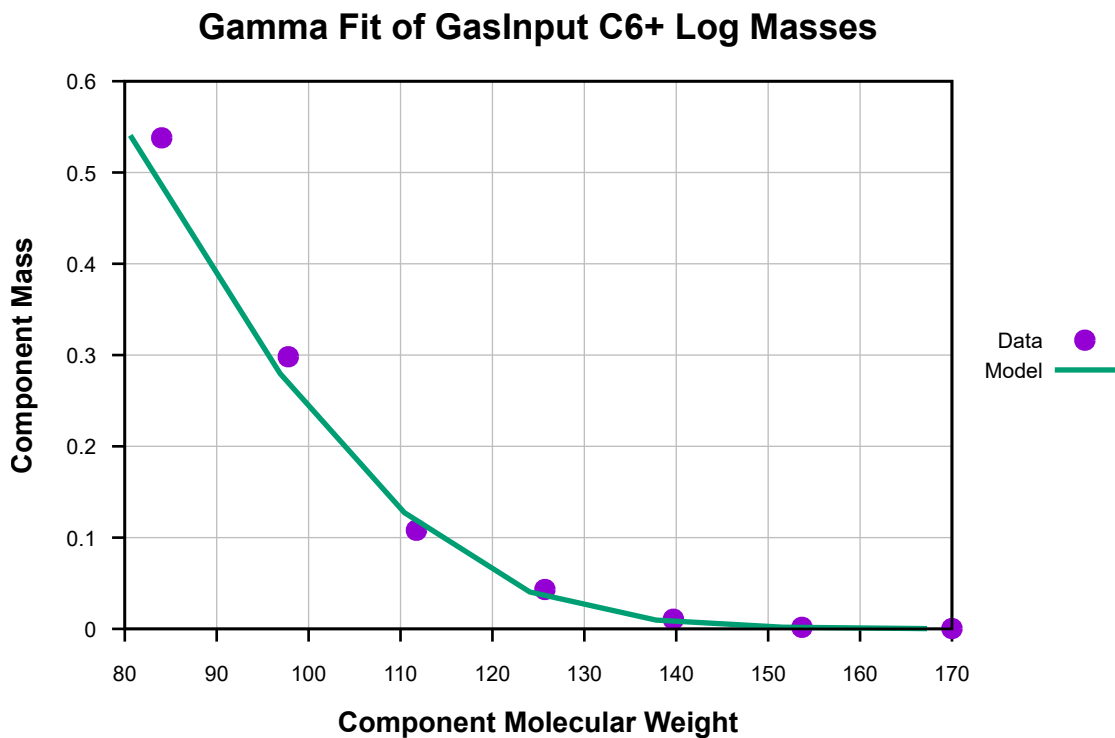


Figure 47: Mass Gamma Fit of GasInput C6+ Log Masses. Gamma Shape = 22.757, Average = 89.62, Bound = 70.82, Origin = 0.00.

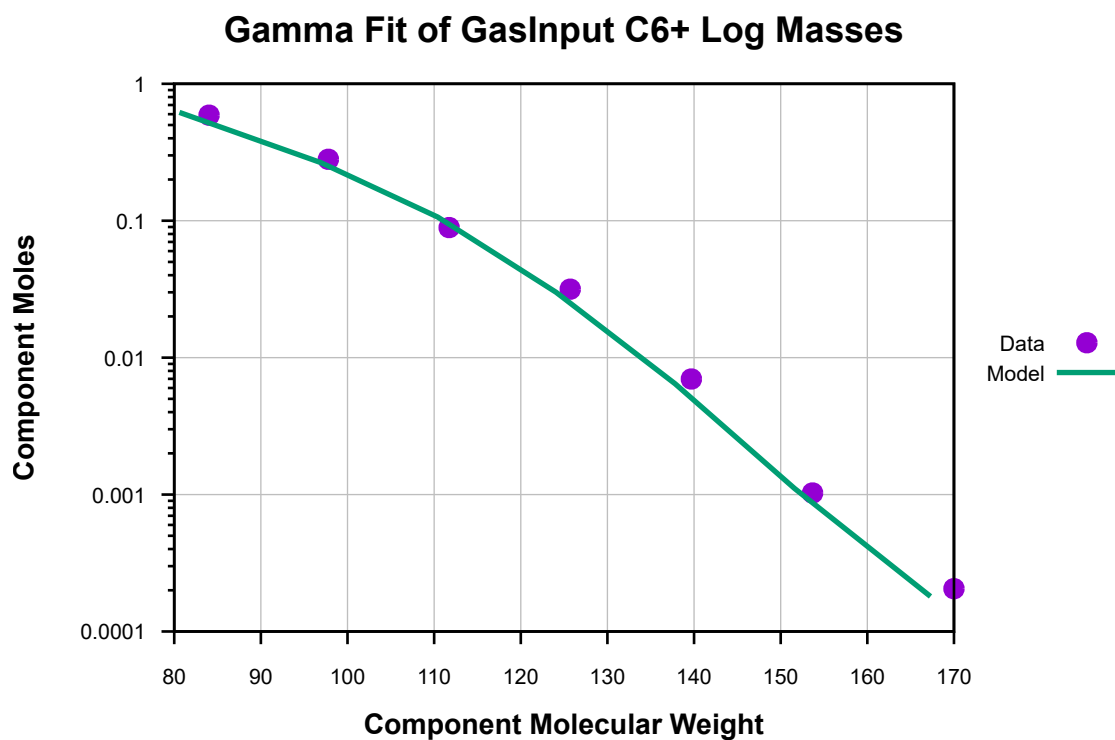


Figure 48: Molar Gamma Fit of GasInput C6+ Log Masses. Gamma Shape = 22.757, Average = 89.62, Bound = 70.82, Origin = 0.00.

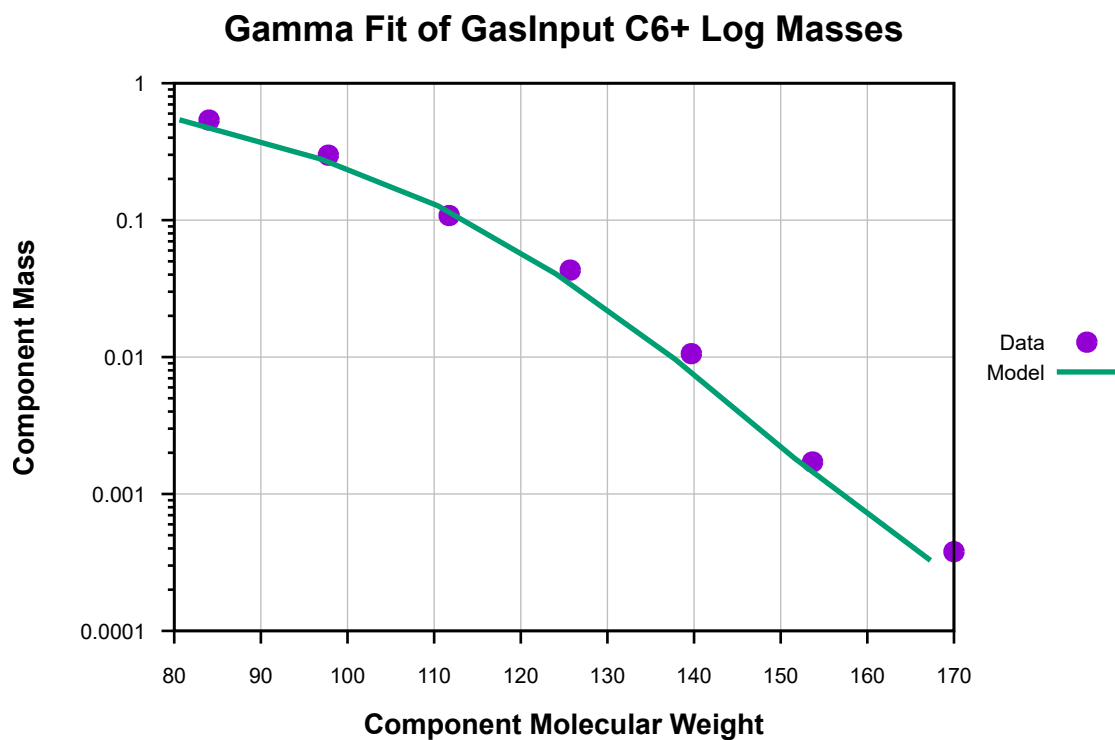


Figure 49: Mass Gamma Fit of GasInput C6+ Log Masses. Gamma Shape = 22.757, Average = 89.62, Bound = 70.82, Origin = 0.00.