

APÉNDICE C

GRÁFICAS DE EXPERIMENTOS DE SECADO

Arroz 100°C, 40kPa y 2.87 m/s.

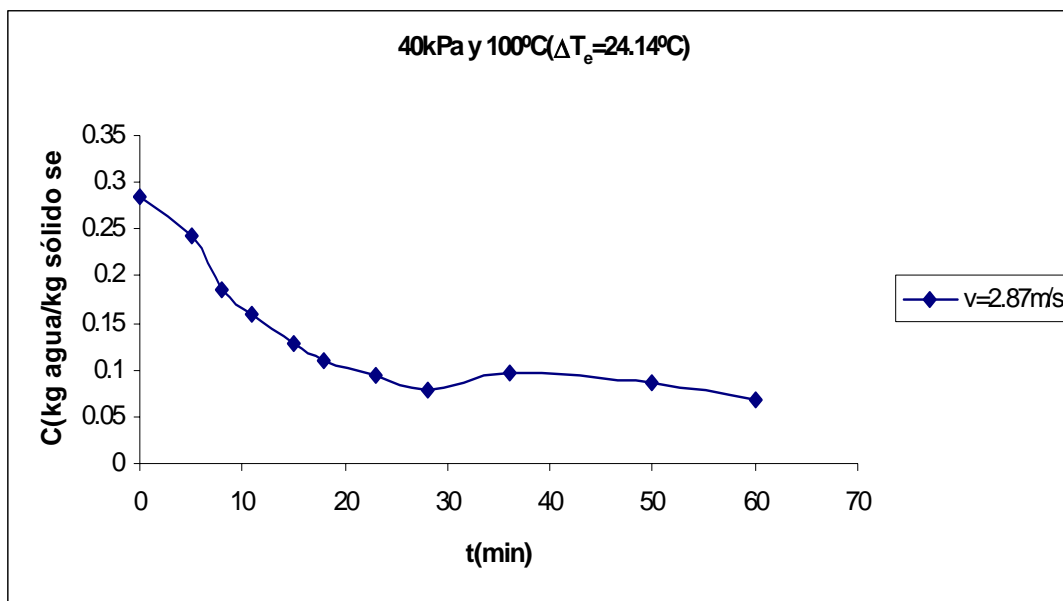


Figura C.1 Curva de secado de arroz con cáscara.

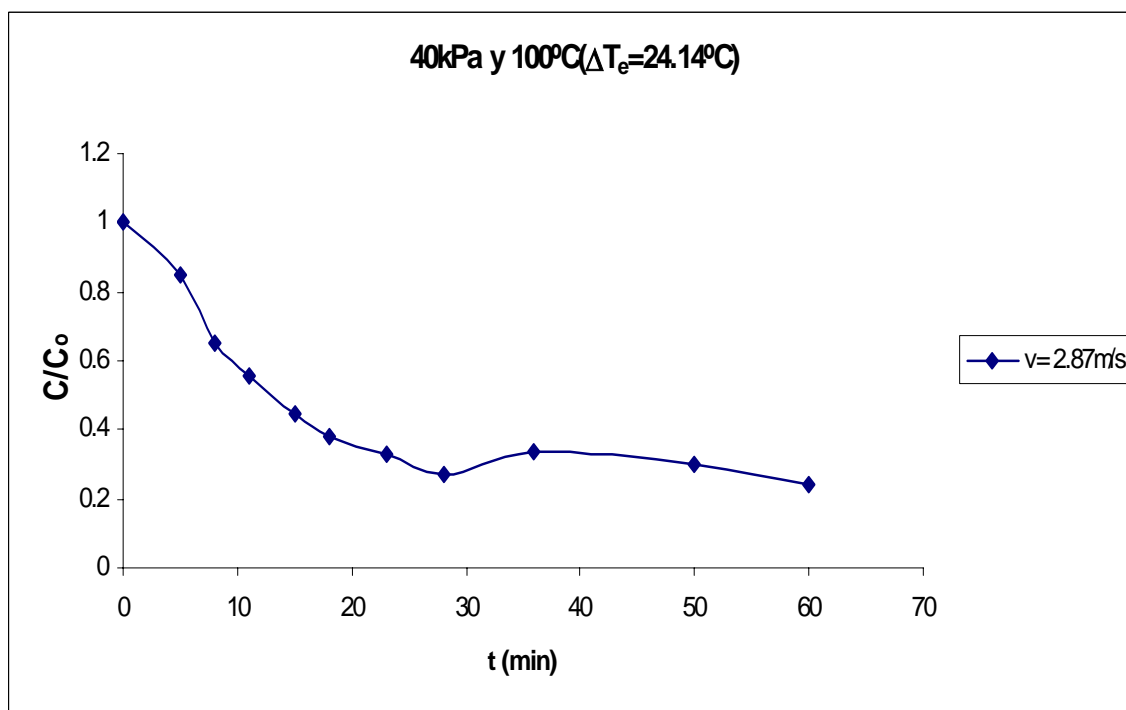


Figura C.2 Curva de secado de arroz con cáscara.

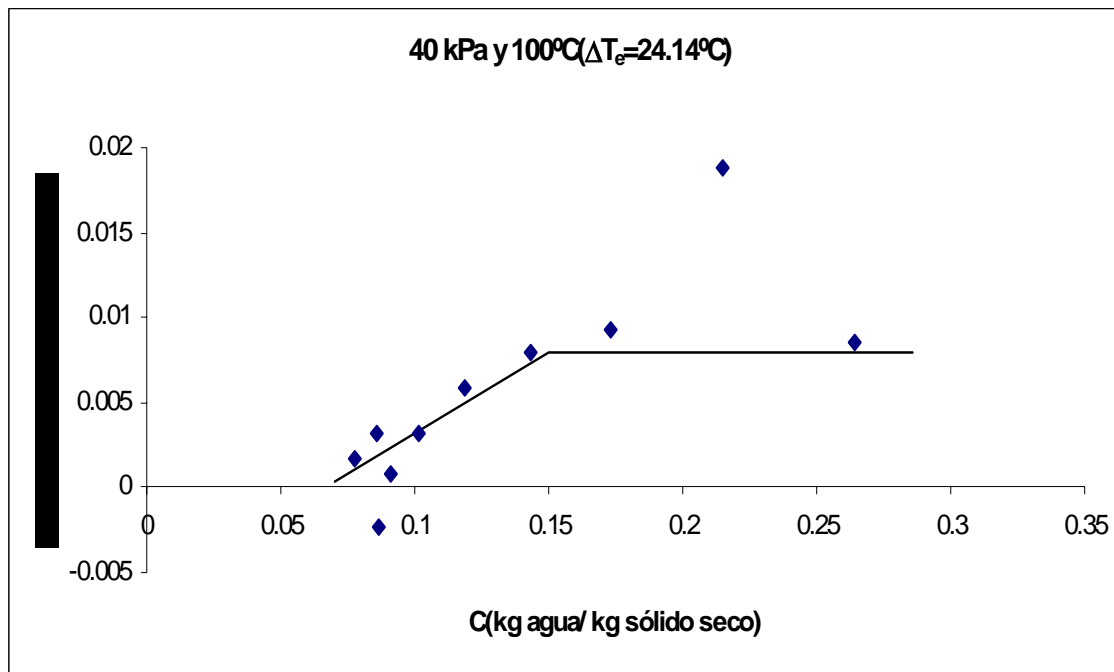


Figura C.3 Velocidad de secado de arroz con cáscara $v=2.87$ m/s.

Arroz 105°C, 40kPa y 2.90 m/s.

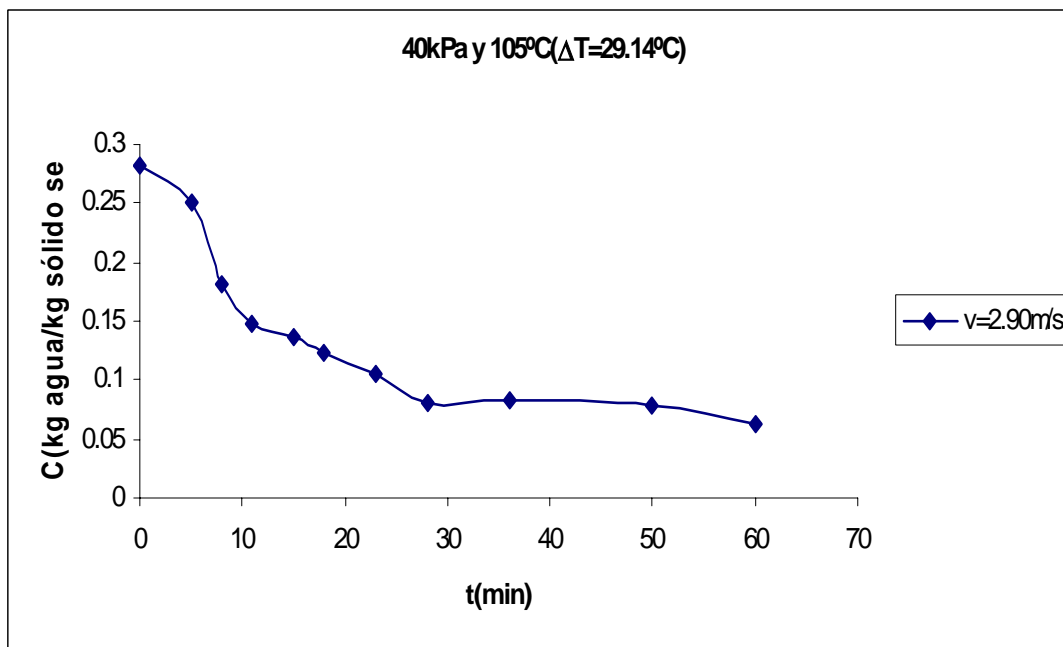


Figura C.4 Curva de secado de arroz con cáscara.

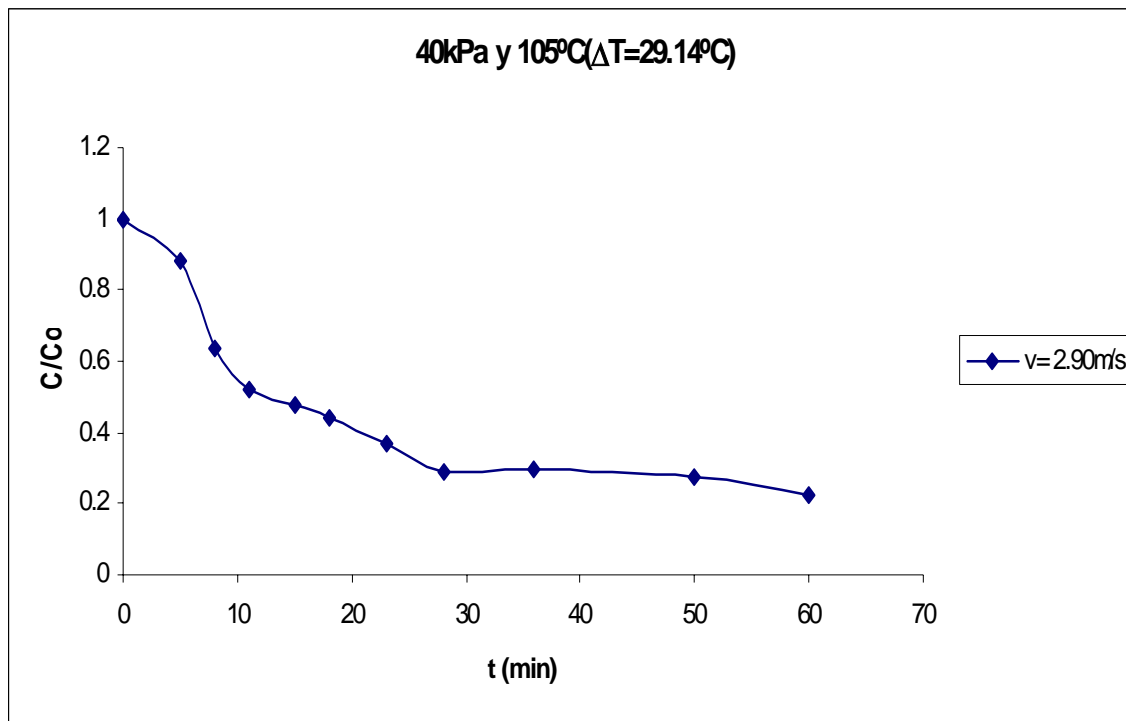


Figura C.5 Curva de secado de arroz con cáscara.

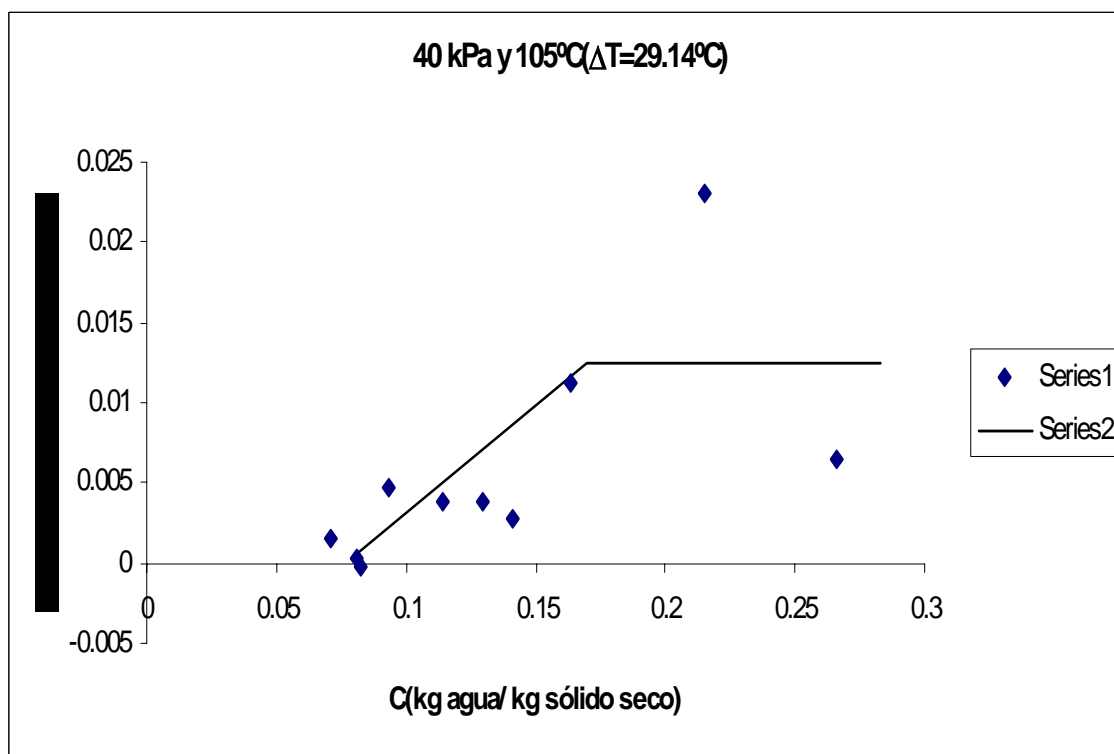


Figura C.6 Velocidad de secado de arroz con cáscara $v=2.90$ m/s.

Arroz 110°C, 40kPa y 2.90 m/s.

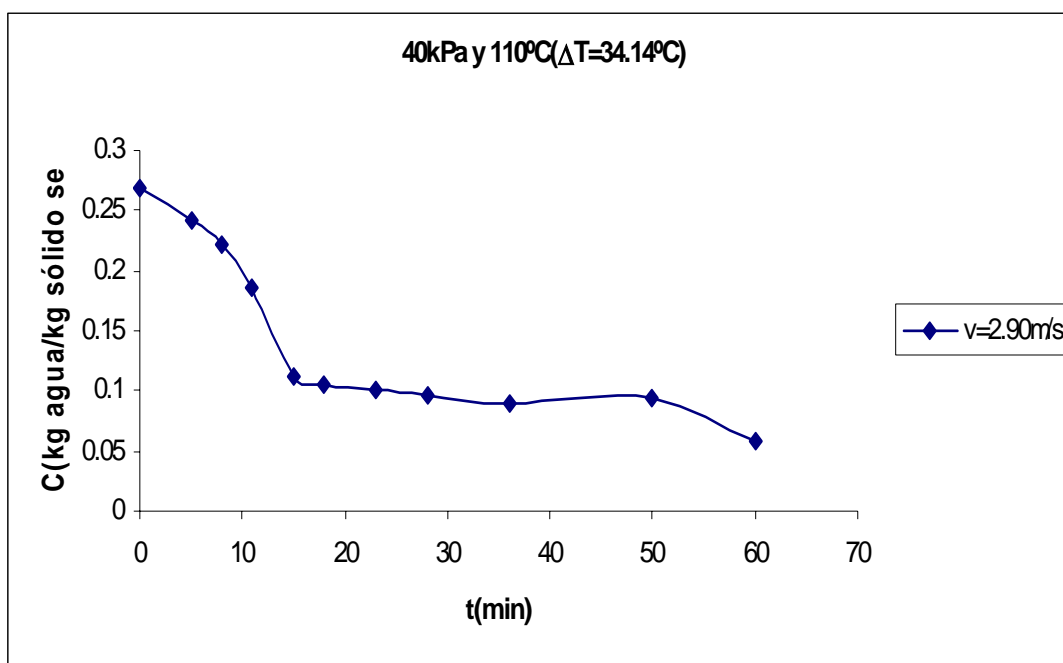


Figura C.7 Curva de secado de arroz con cáscara.

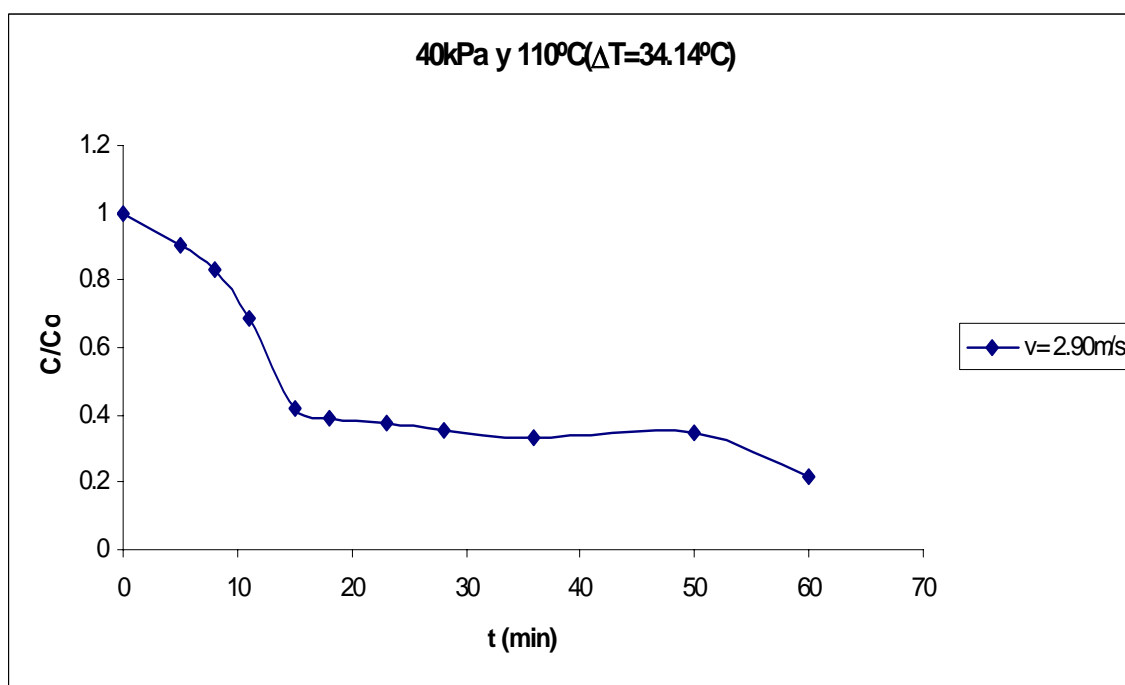


Figura C.8 Curva de secado de arroz con cáscara.

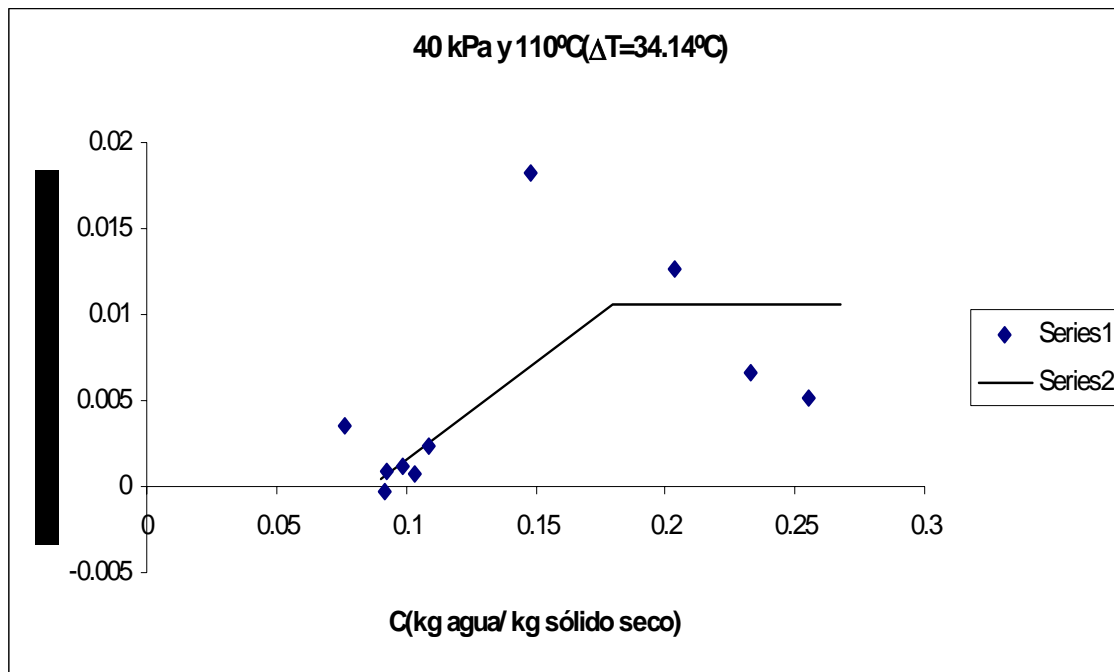


Figura C.9 Velocidad de secado de arroz con cáscara $v=2.90$ m/s.

Arroz 100°C , 40kPa y 3.30m/s.

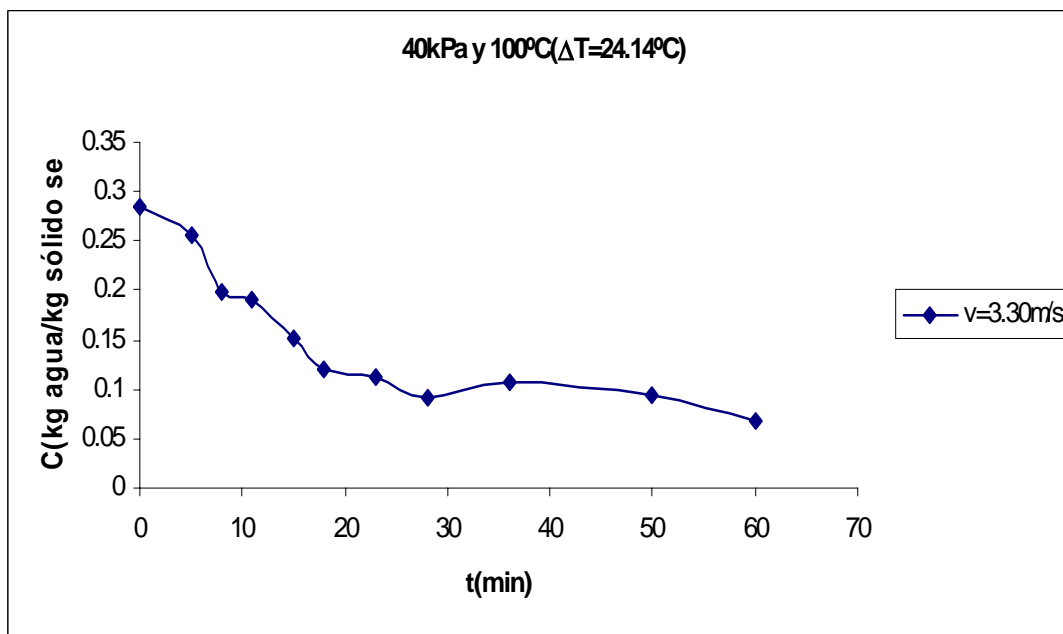


Figura C.10 Curva de secado de arroz con cáscara.

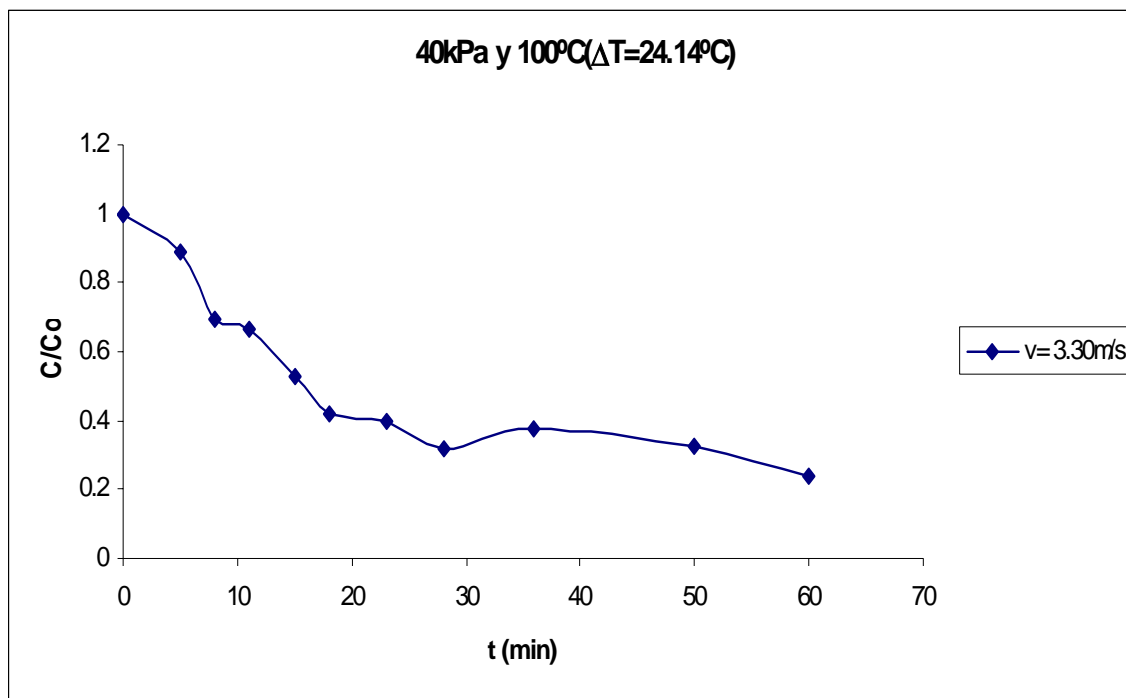


Figura C.11 Curva de secado de arroz con cáscara.

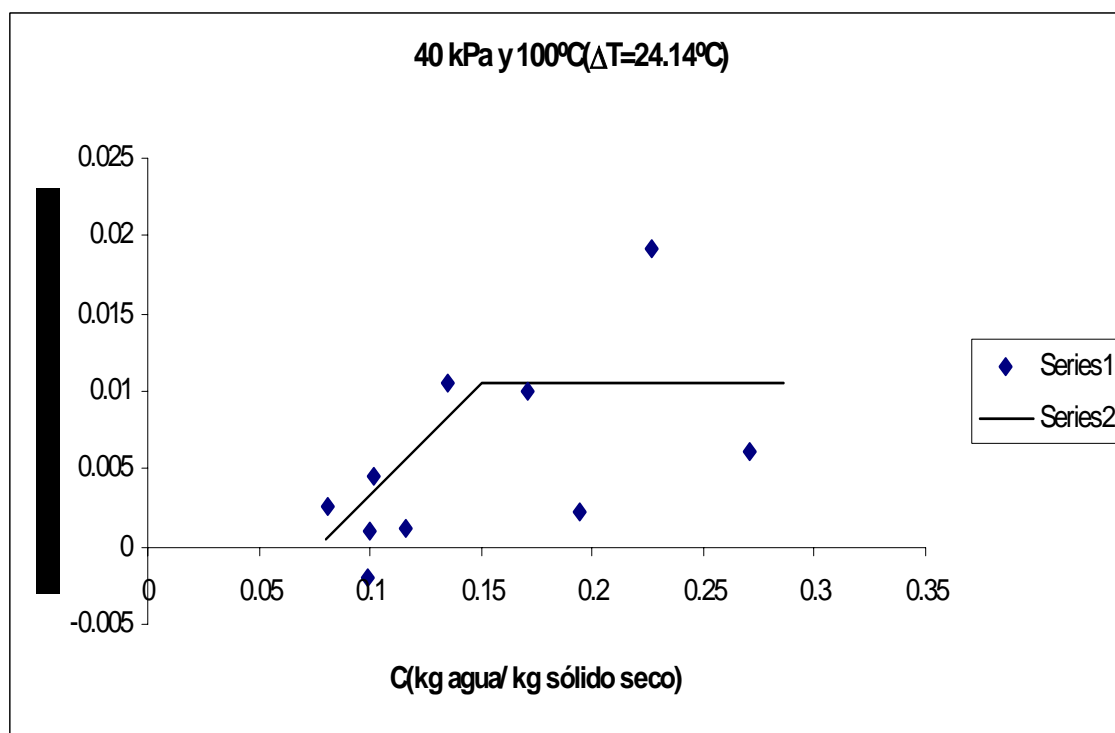


Figura C.12 Velocidad de secado de arroz con cáscara $v=3.30$ m/s.

Arroz 105°C, 40kPa y 3.29m/s.

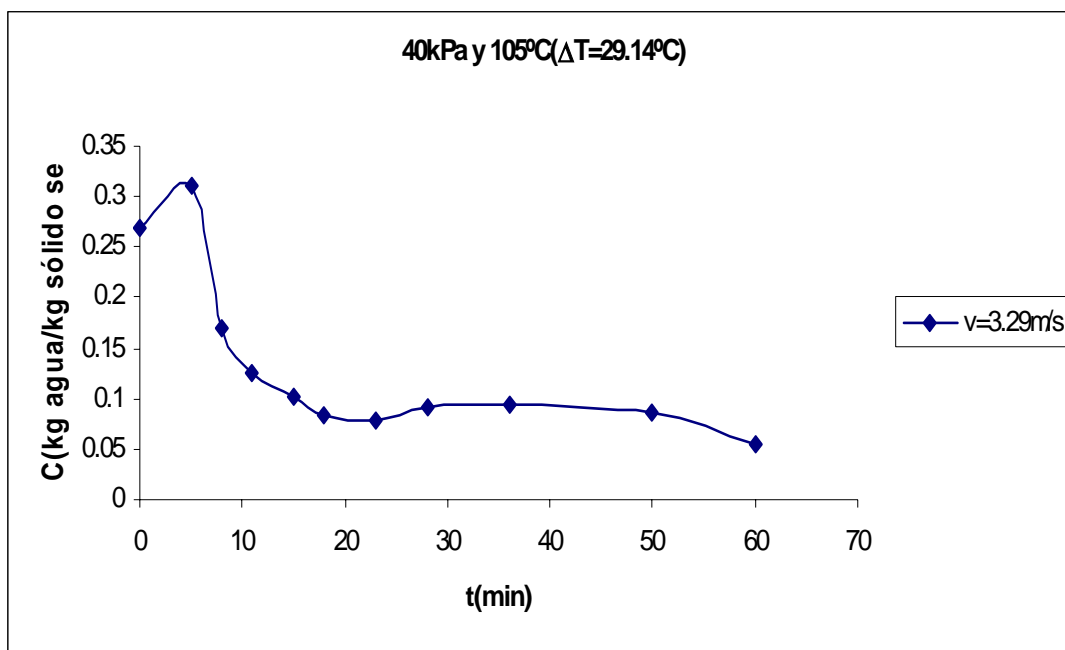


Figura C.13 Curva de secado de arroz con cáscara.

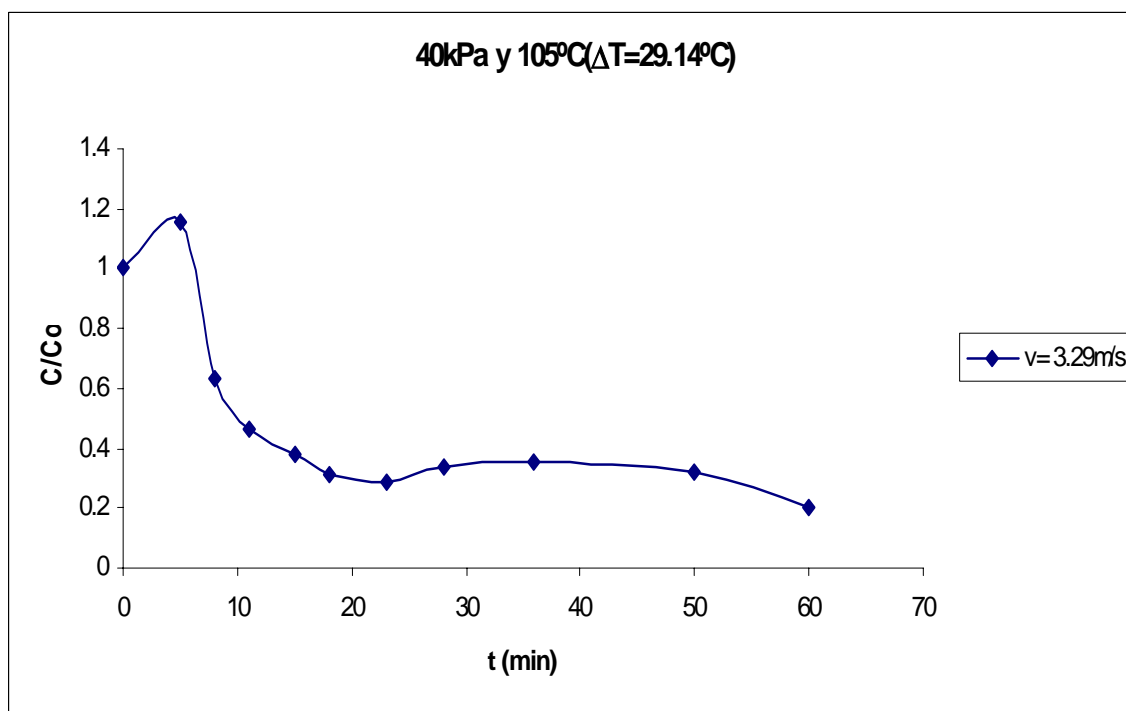


Figura C.14 Curva de secado de arroz con cáscara.

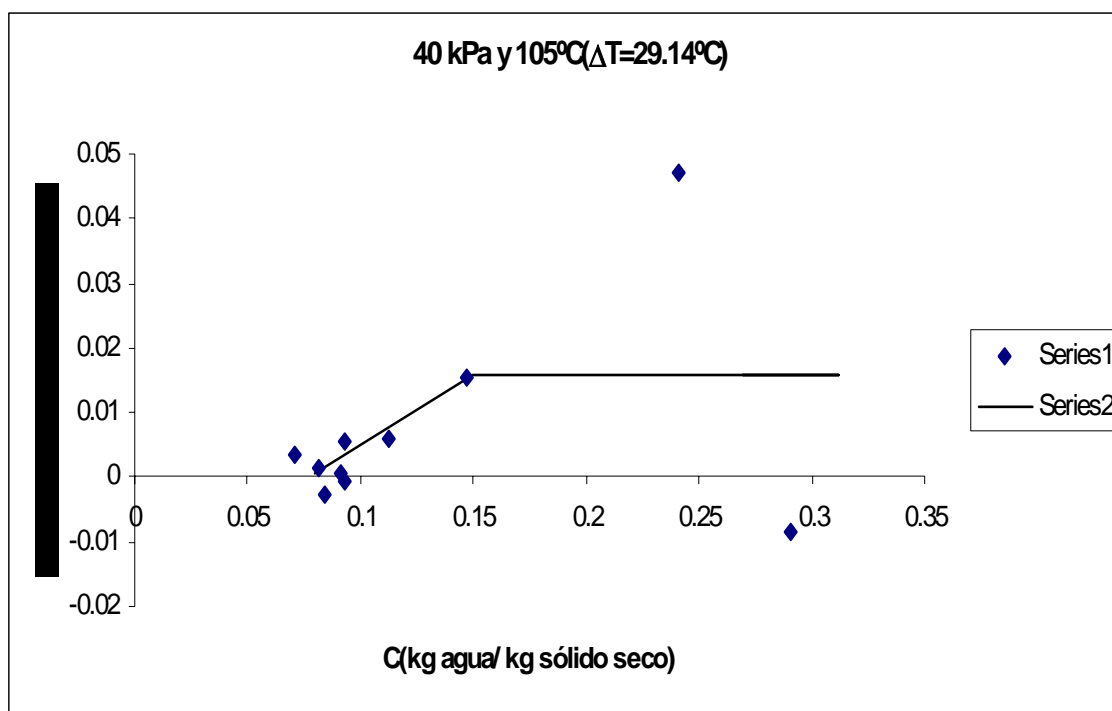


Figura C.15 Velocidad de secado de arroz con cáscara $v=3.29$ m/s.

Arroz 110°C, 40kPa y 3.28m/s.

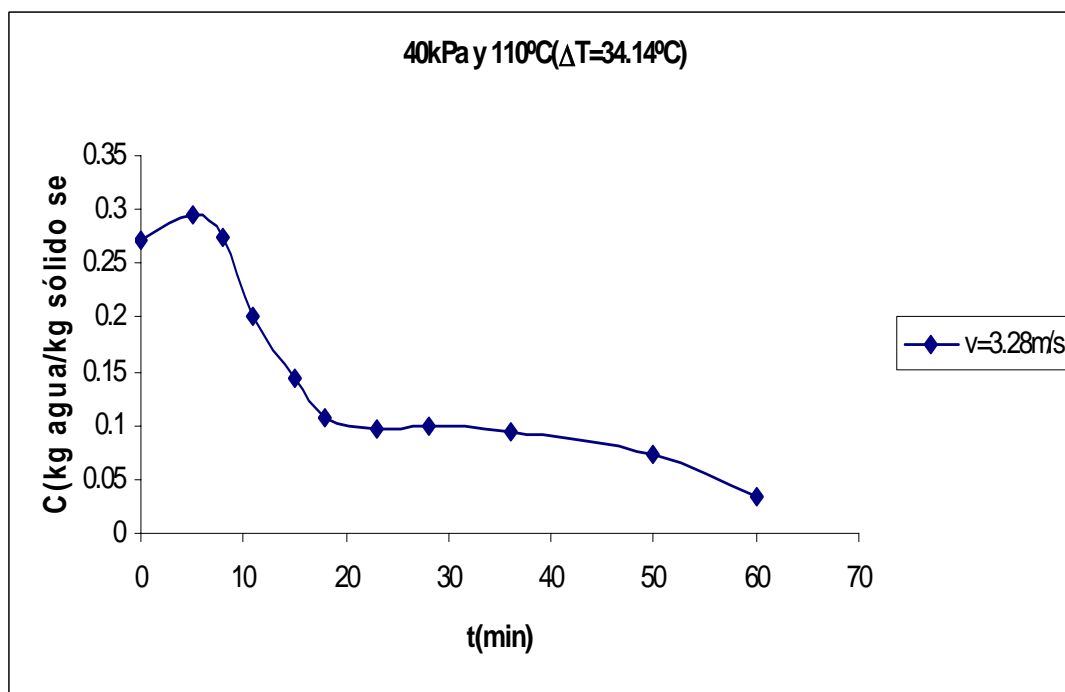


Figura C.16 Curva de secado de arroz con cáscara.

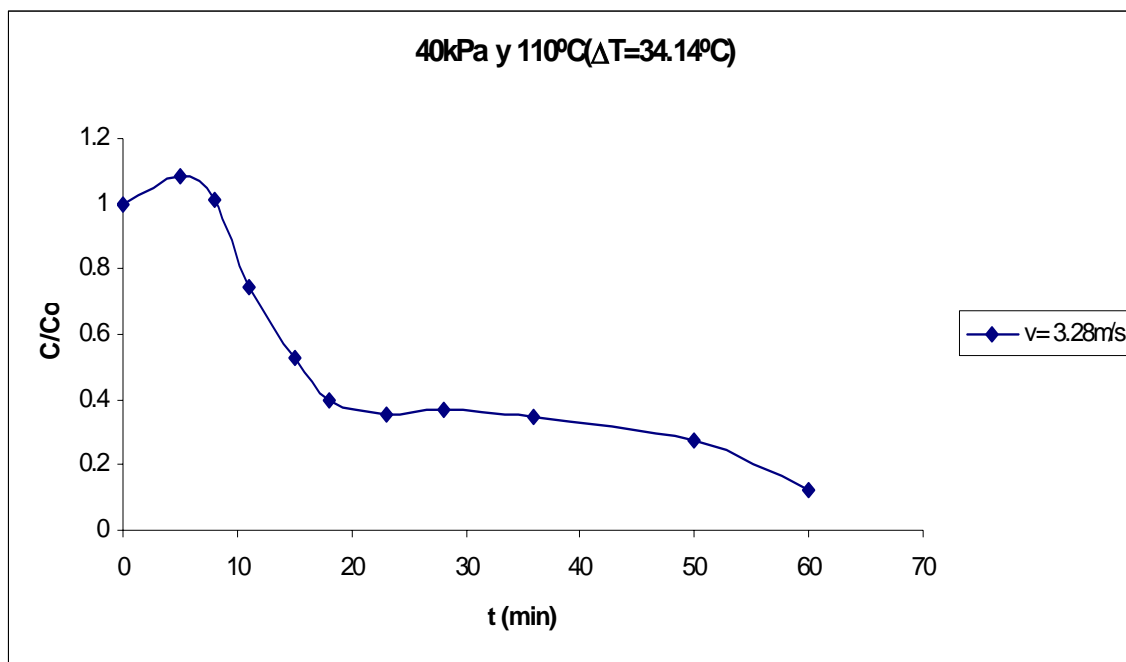


Figura C.17 Curva de secado de arroz con cáscara.

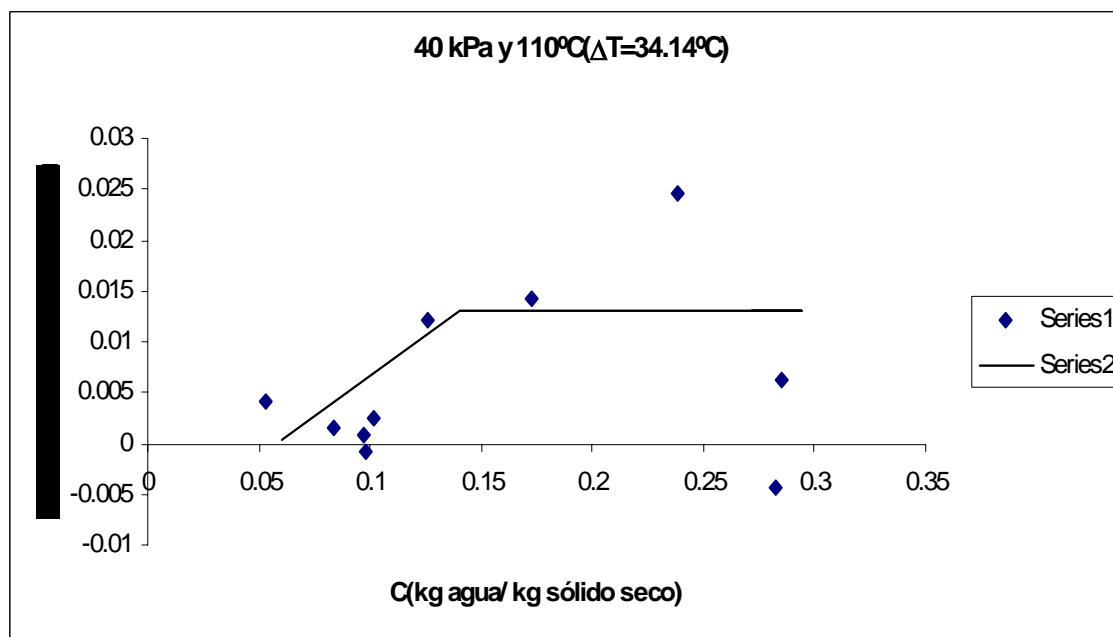


Figura C.18 Velocidad de secado de arroz con cáscara $v=3.28$ m/s.

Arroz 100°C, 40kPa y 4.01m/s.

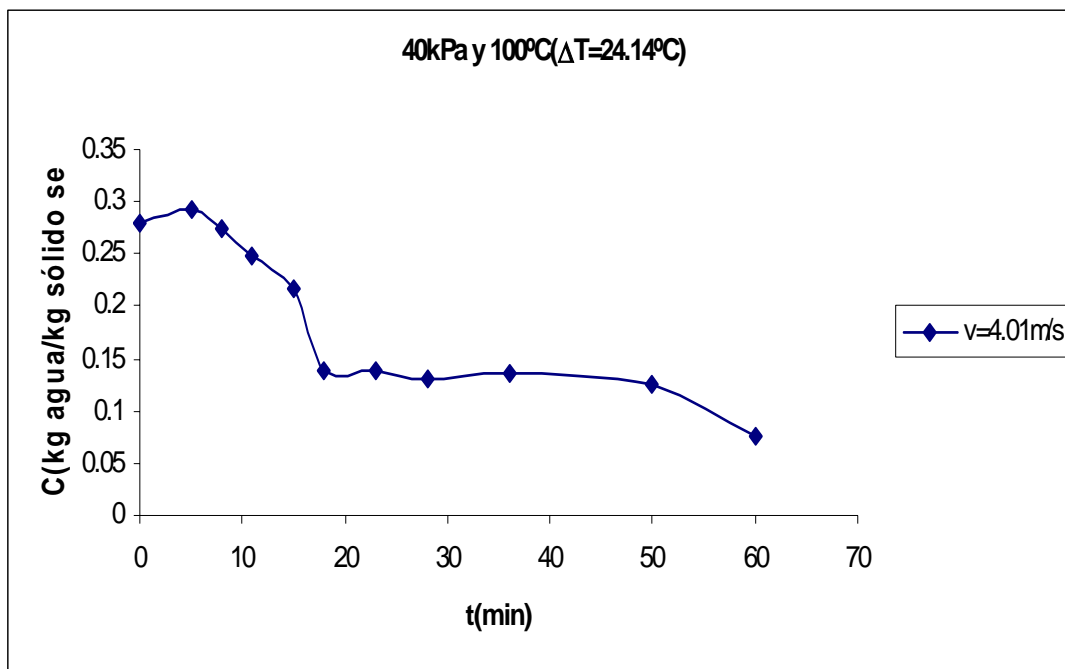


Figura C.19 Curva de secado de arroz con cáscara.

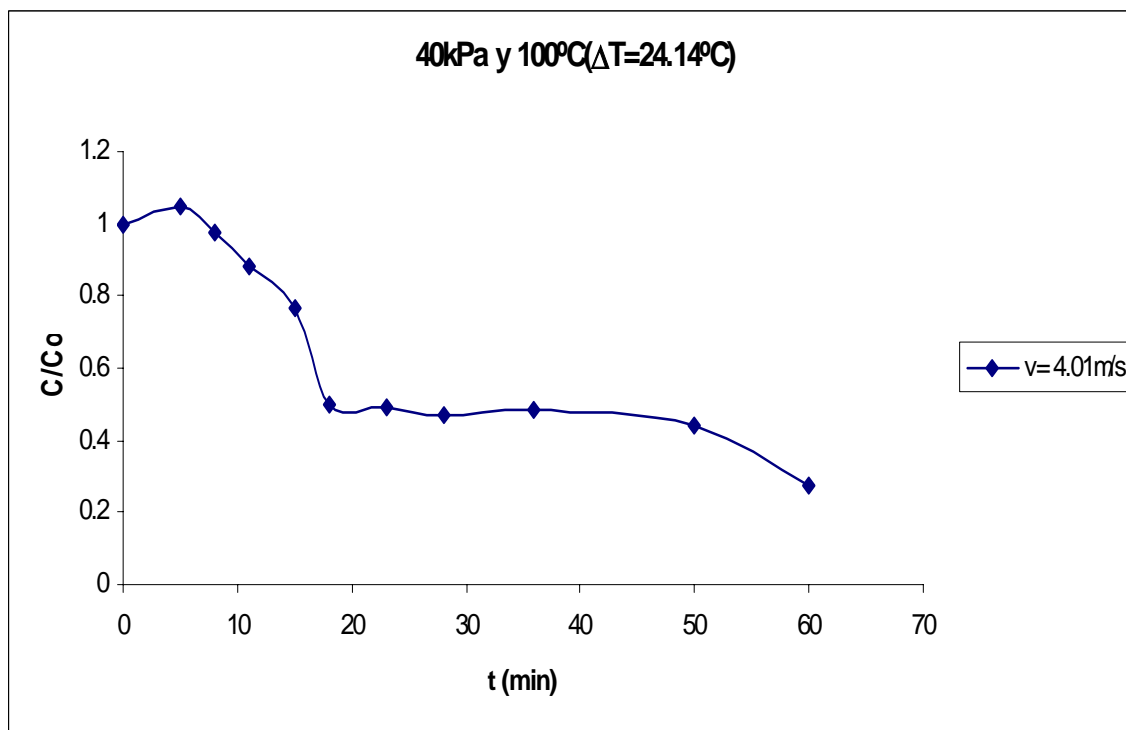


Figura C.20 Curva de secado de arroz con cáscara.

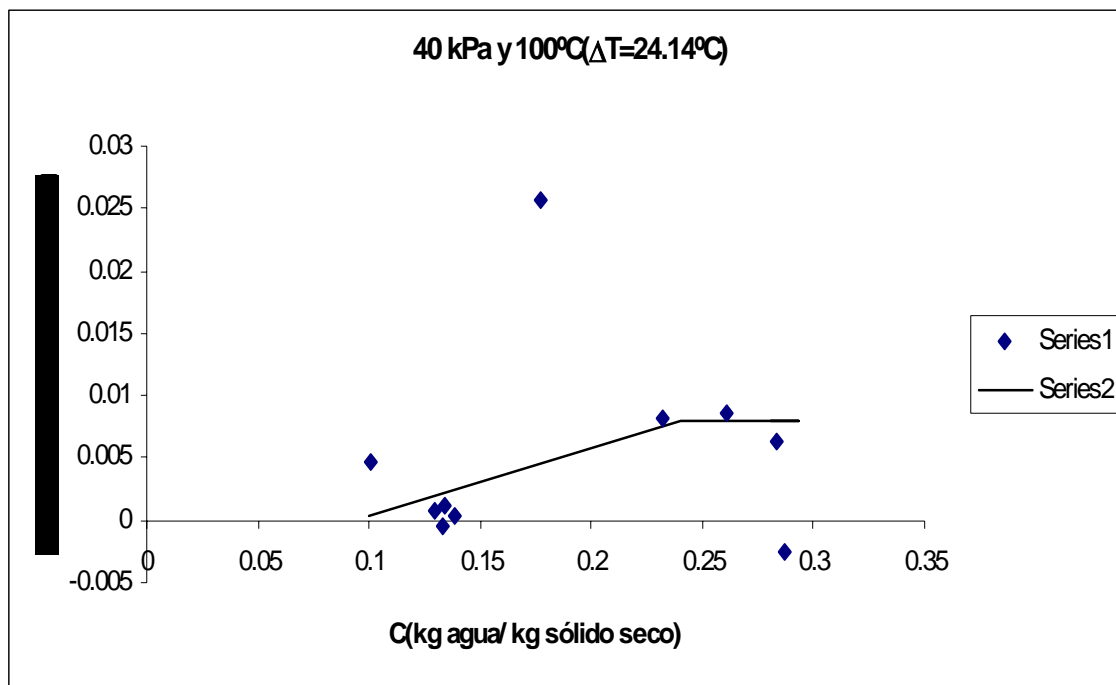


Figura C.21 Velocidad de secado de arroz con cáscara $v=4.01$ m/s.

Arroz 105°C , 40kPa y 4.07m/s .

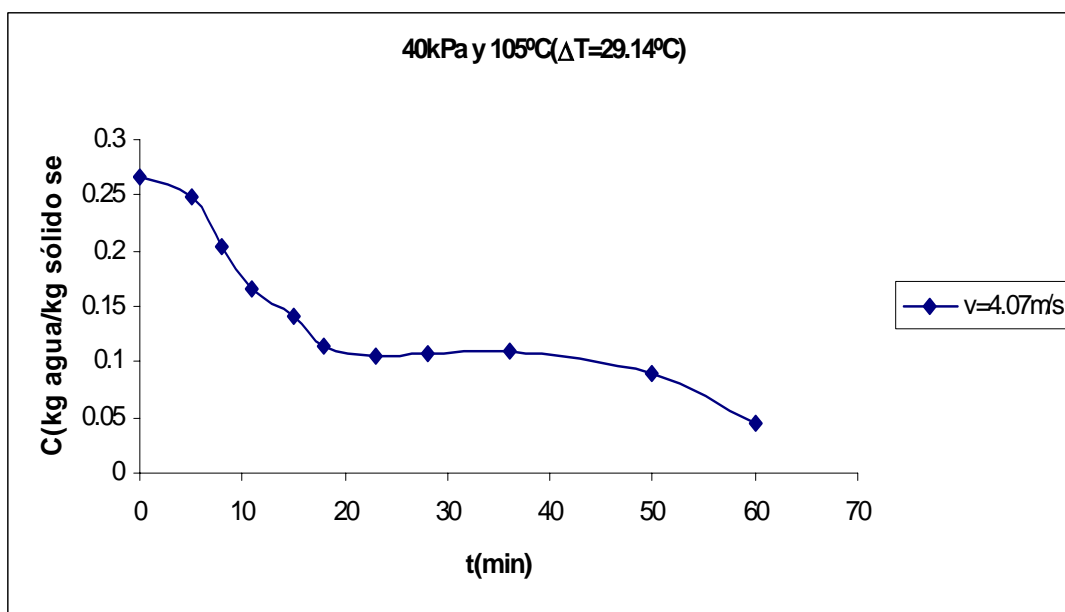


Figura C.22 Curva de secado de arroz con cáscara.

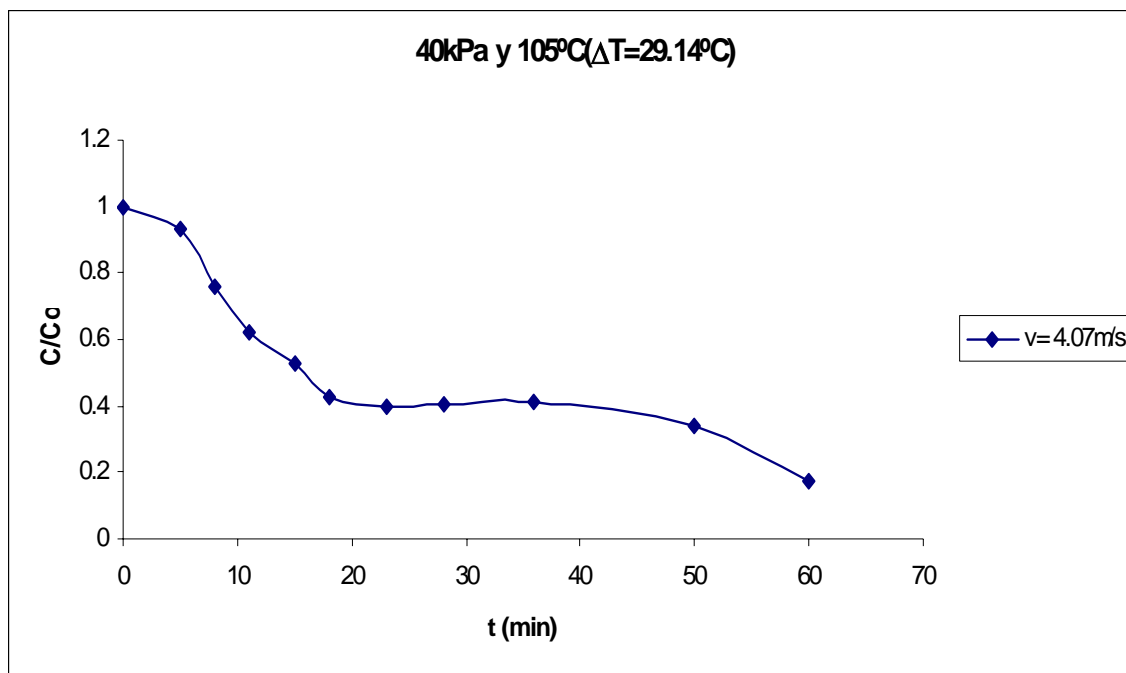


Figura C.23 Curva de secado de arroz con cáscara.

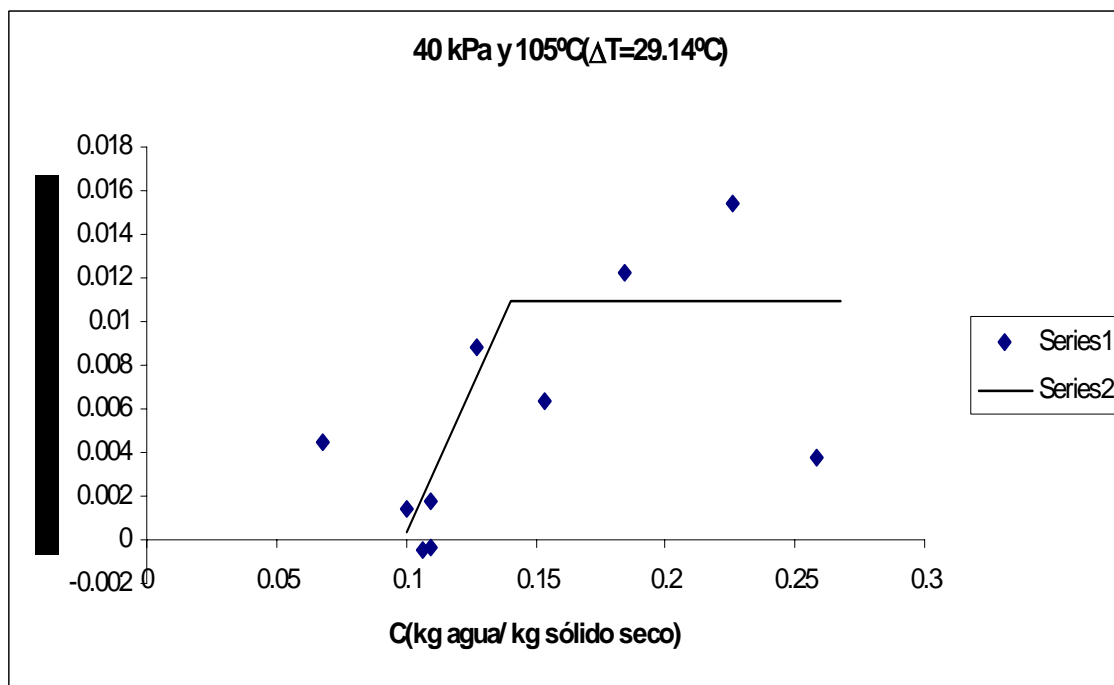


Figura C.24 Velocidad de secado de arroz con cáscara $v=4.07$ m/s.

Arroz 110°C, 40kPa y 4.0m/s.

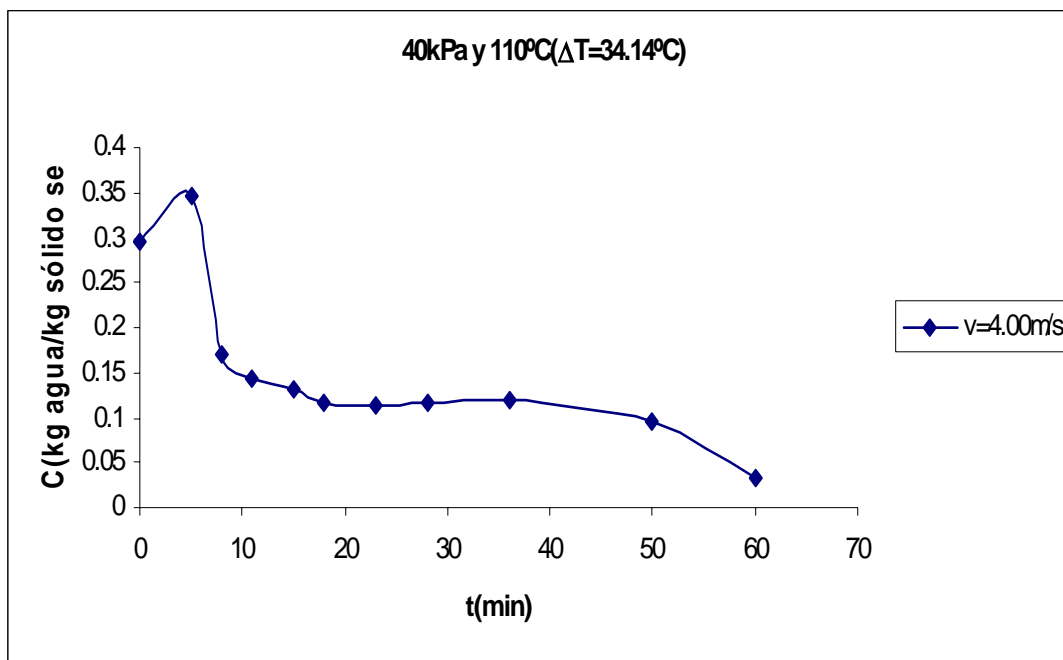


Figura C.25 Curva de secado de arroz con cáscara.

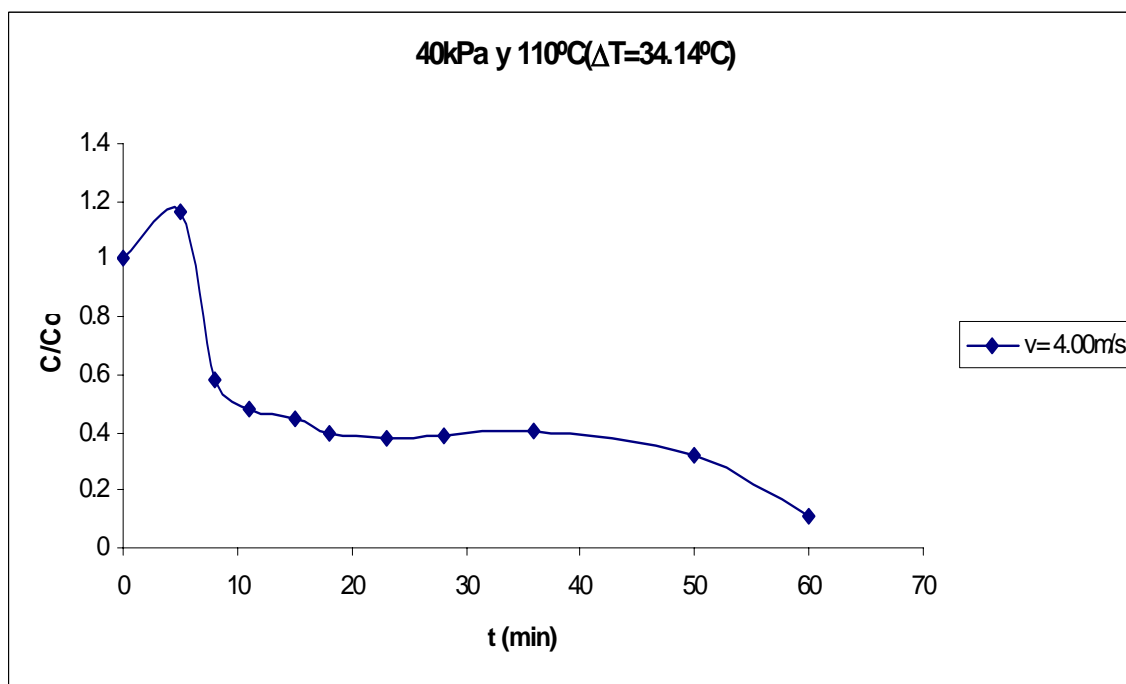


Figura C.26 Curva de secado de arroz con cáscara.

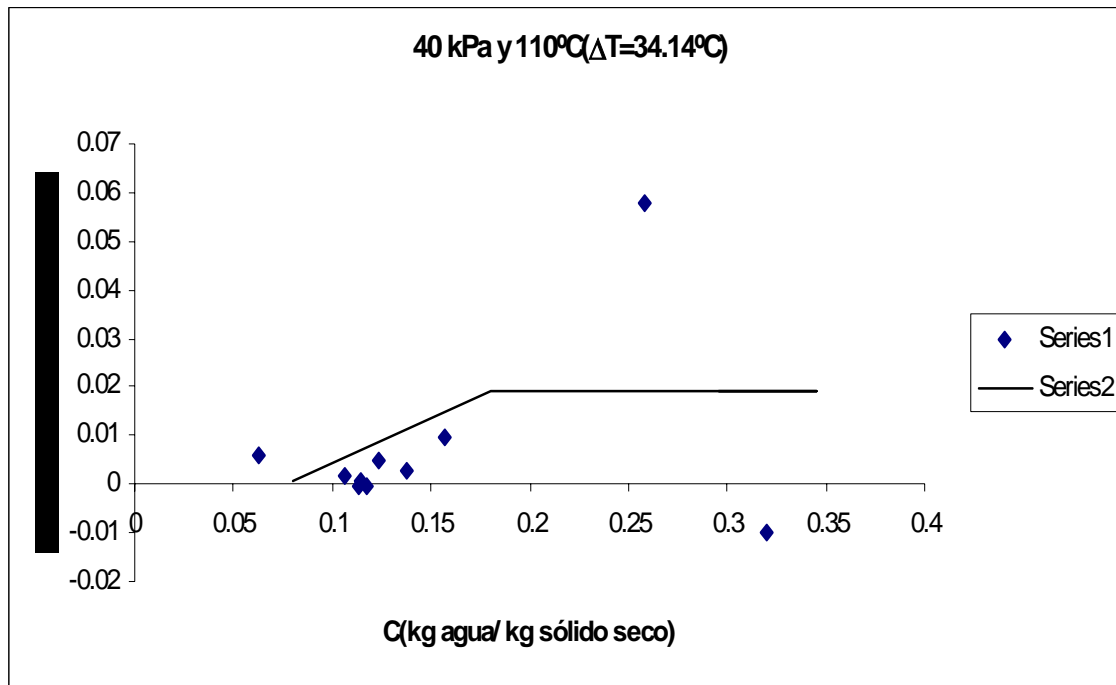


Figura C.27 Velocidad de secado de arroz con cáscara $v=4.0$ m/s.

Arroz 100°C, 53kPa y 2.98 m/s.

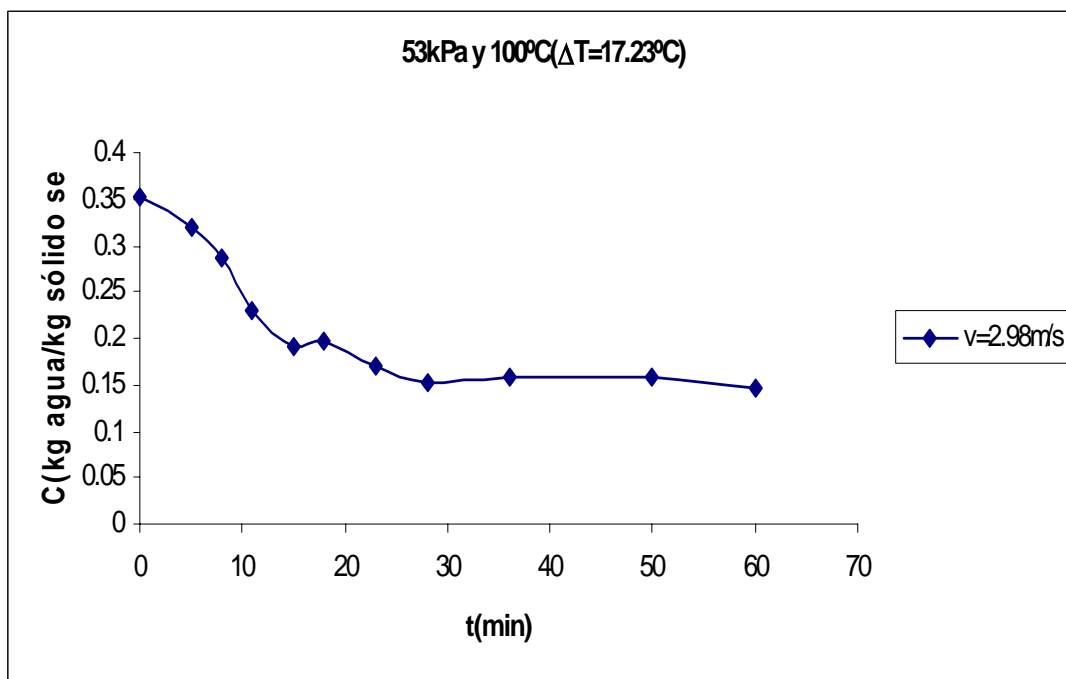


Figura C.28 Curva de secado de arroz con cáscara.

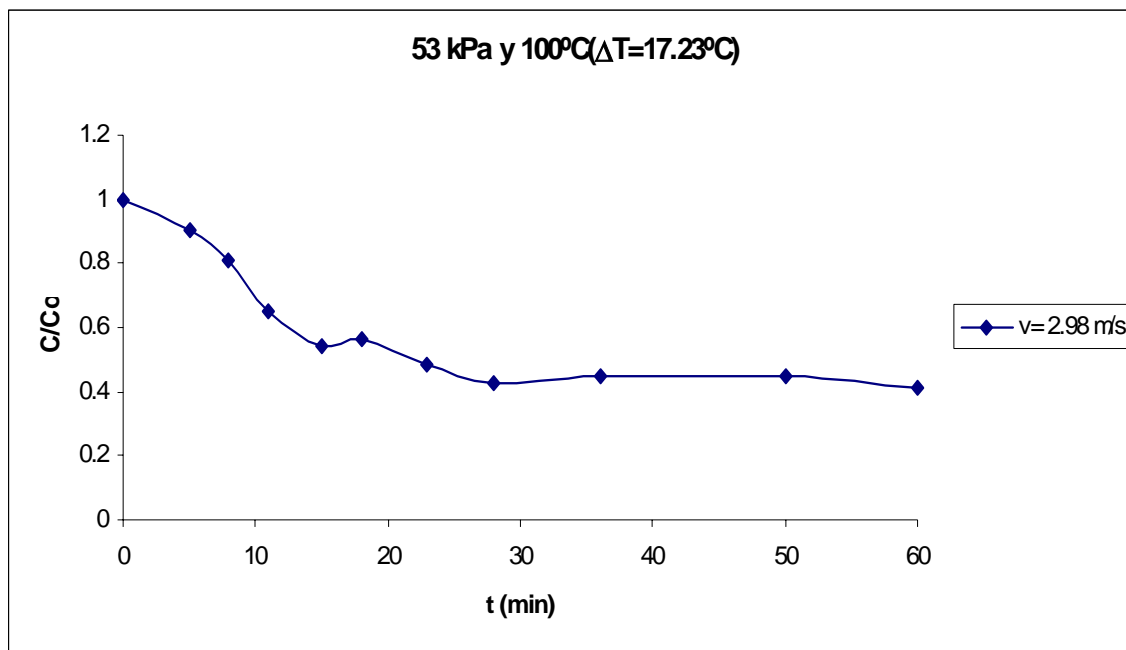


Figura C.29 Curva de secado de arroz con cáscara.

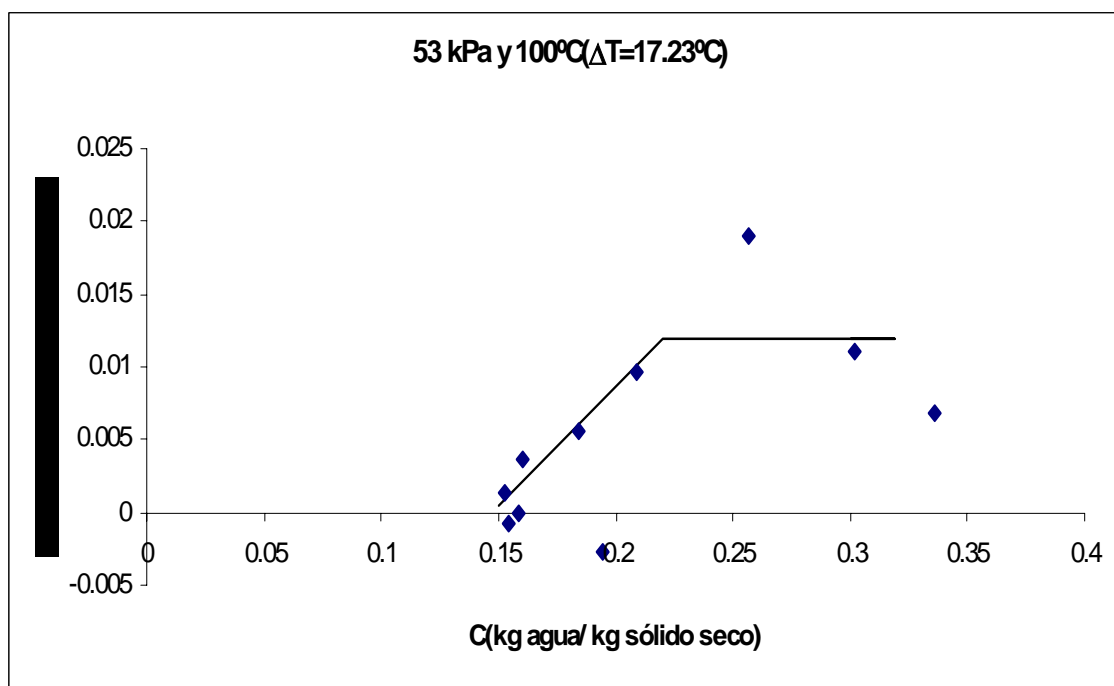


Figura C.30 Velocidad de secado de arroz con cáscara $v=2.98\text{ m/s}$.

Arroz 105°C, 53kPa y 2.84 m/s.

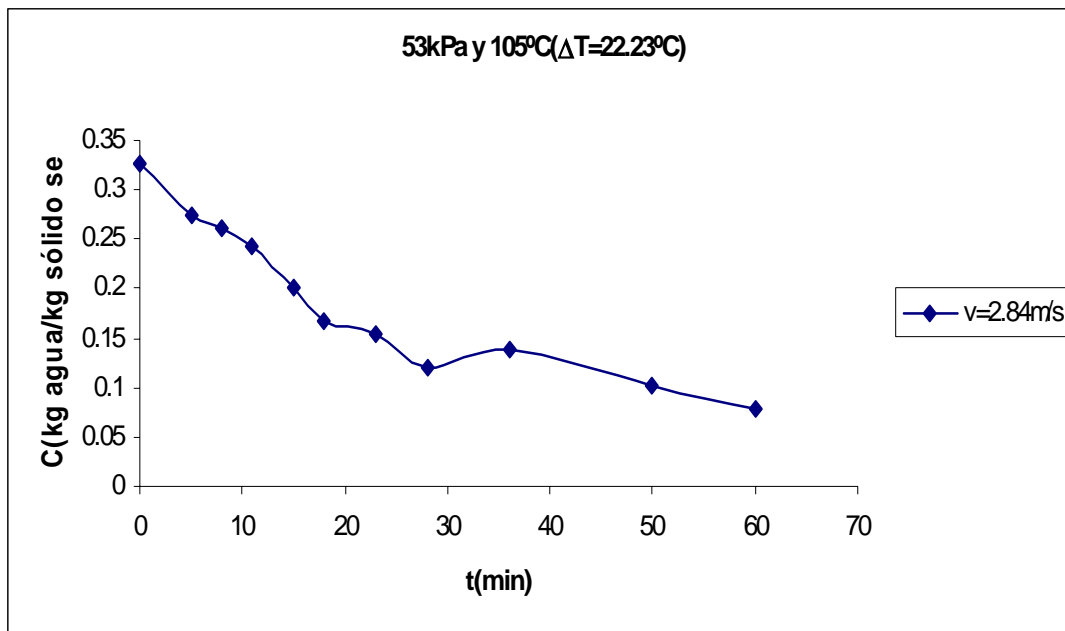


Figura C.31 Curva de secado de arroz con cáscara.

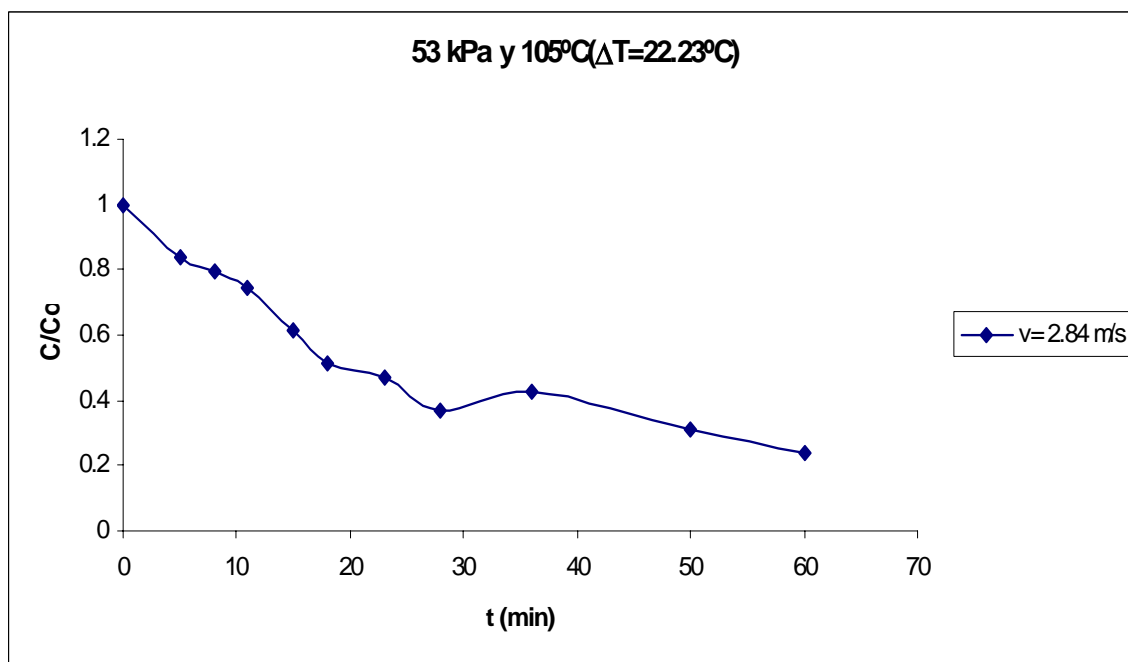


Figura C.32 Curva de secado de arroz con cáscara.

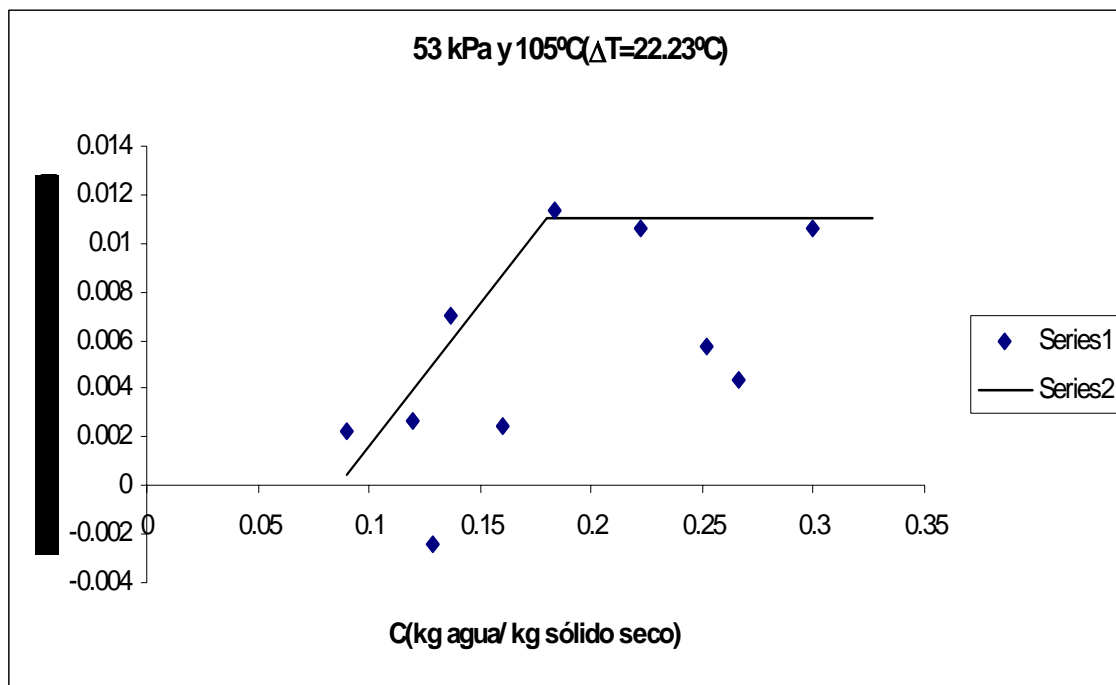


Figura C.33 Velocidad de secado de arroz con cáscara $v=2.84$ m/s.

Arroz 110°C, 53kPa y 2.91 m/s.

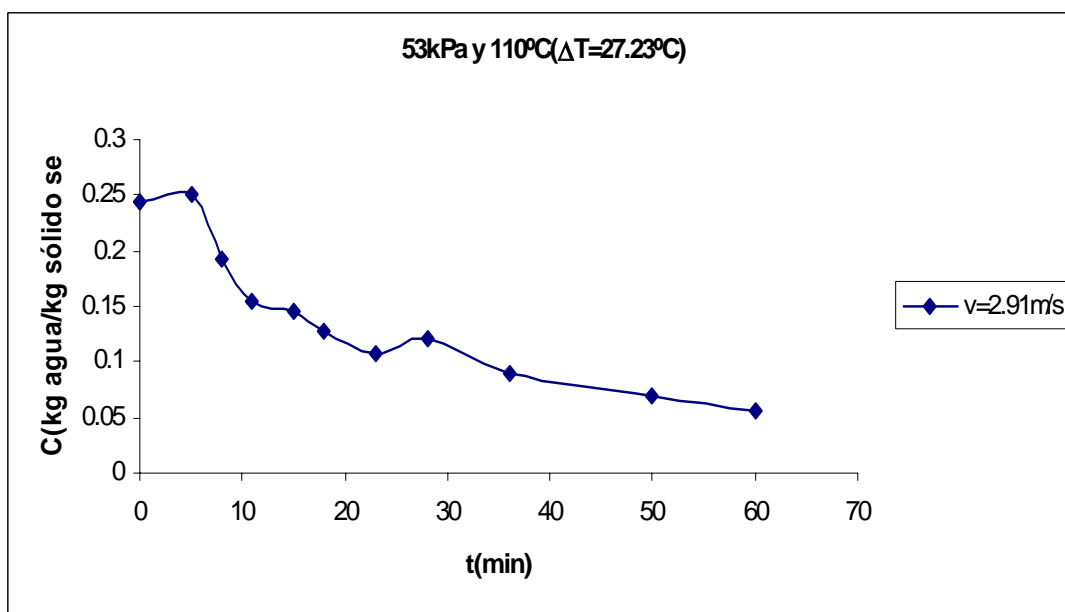


Figura C.34 Curva de secado de arroz con cáscara.

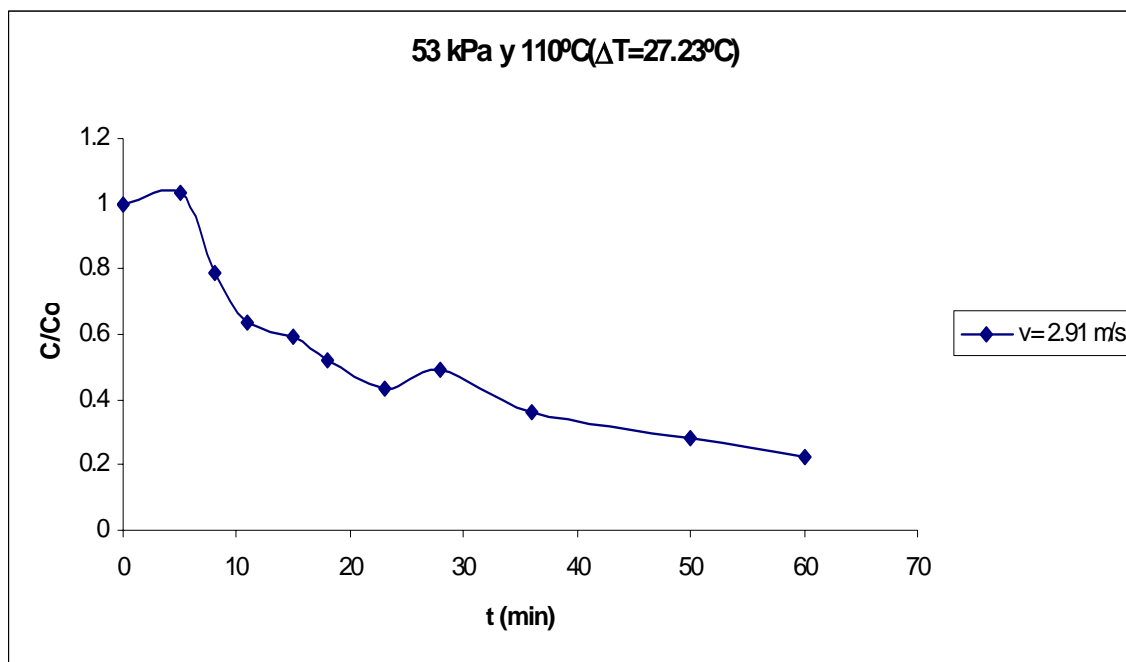


Figura C.35 Curva de secado de arroz con cáscara.

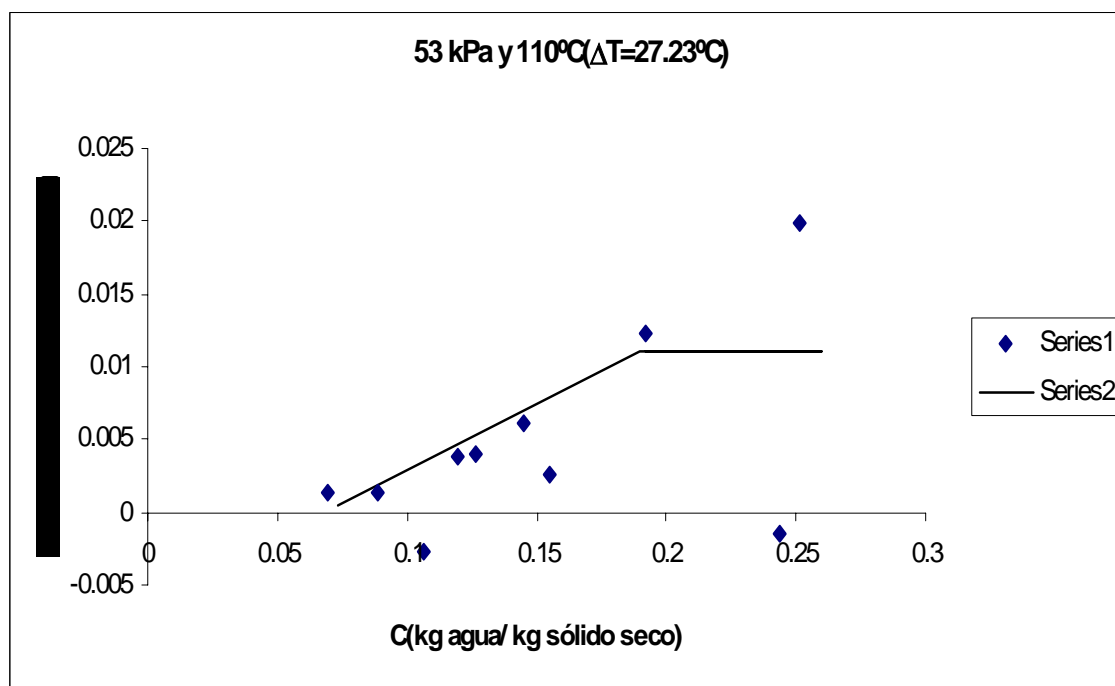


Figura C.36 Velocidad de secado de arroz con cáscara $v=2.91$ m/s.

Arroz 100°C, 53kPa y 3.29 m/s.

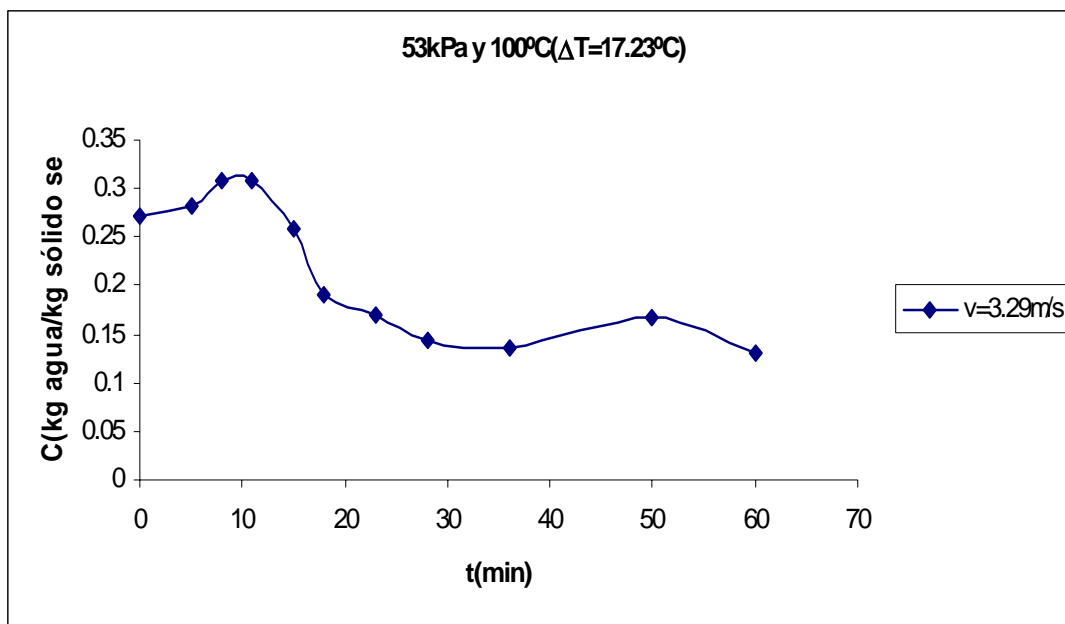


Figura C.37 Curva de secado de arroz con cáscara.

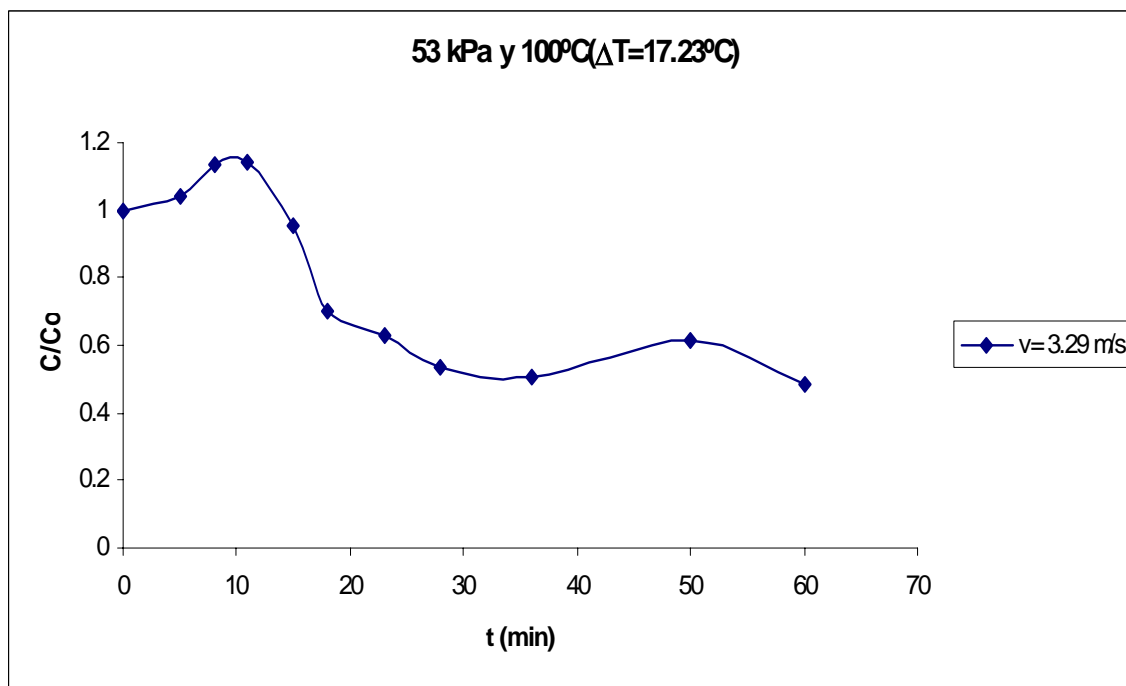


Figura C.38 Curva de secado de arroz con cáscara.

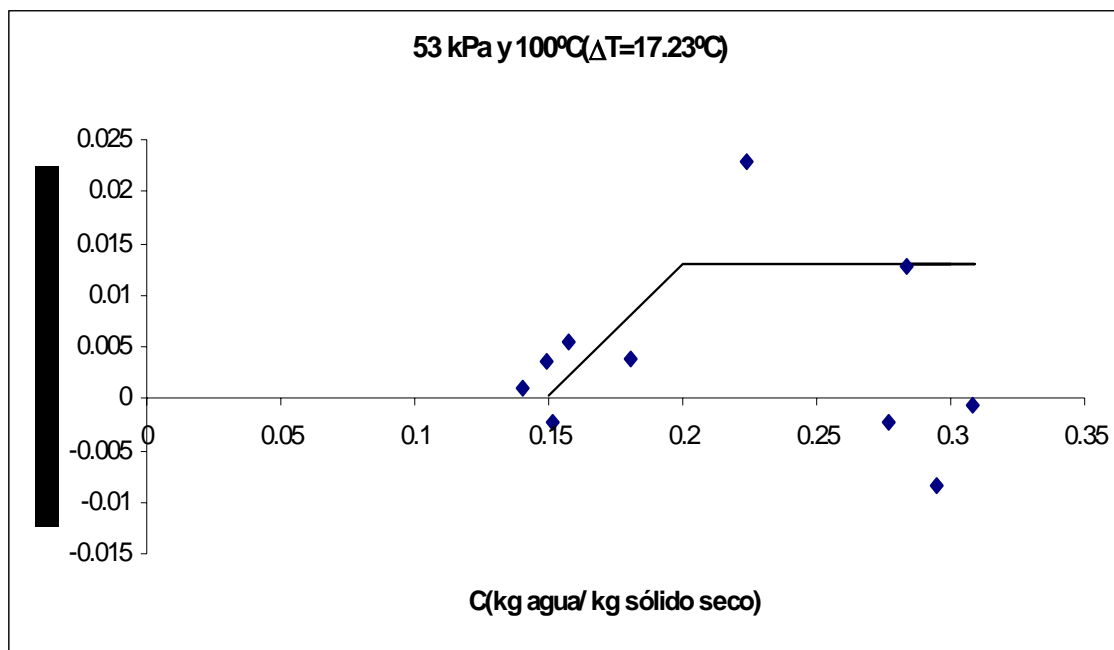


Figura C.39 Velocidad de secado de arroz con cáscara $v=3.29$ m/s.

Arroz 105°C, 53kPa y 3.34 m/s.

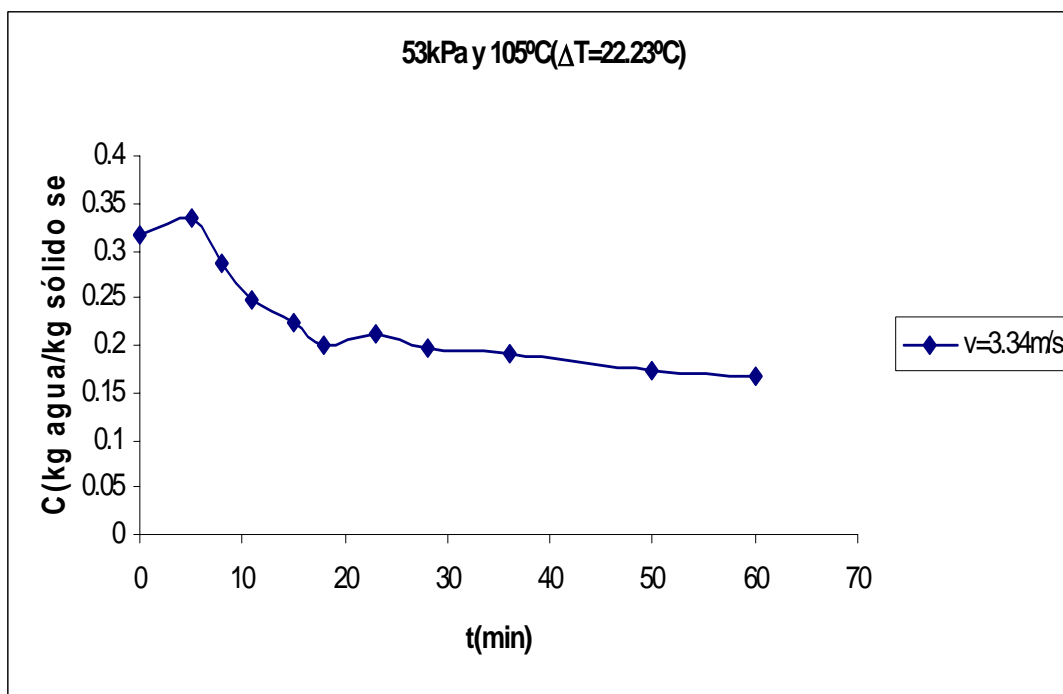


Figura C.40 Curva de secado de arroz con cáscara.

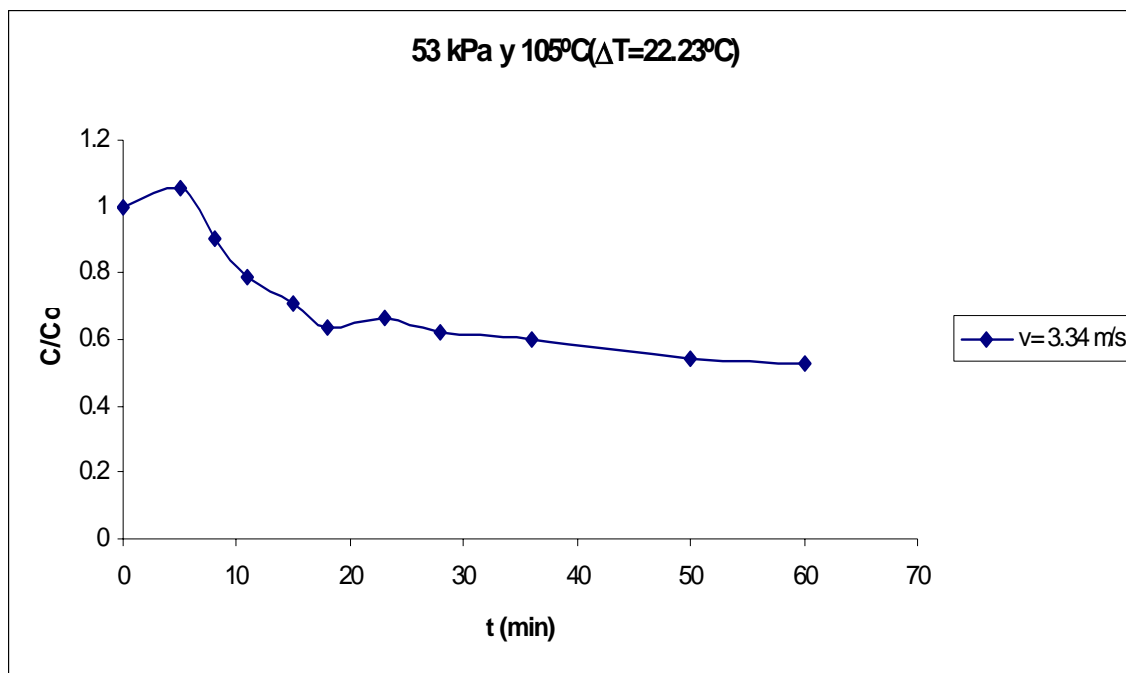


Figura C.41 Curva de secado de arroz con cáscara.

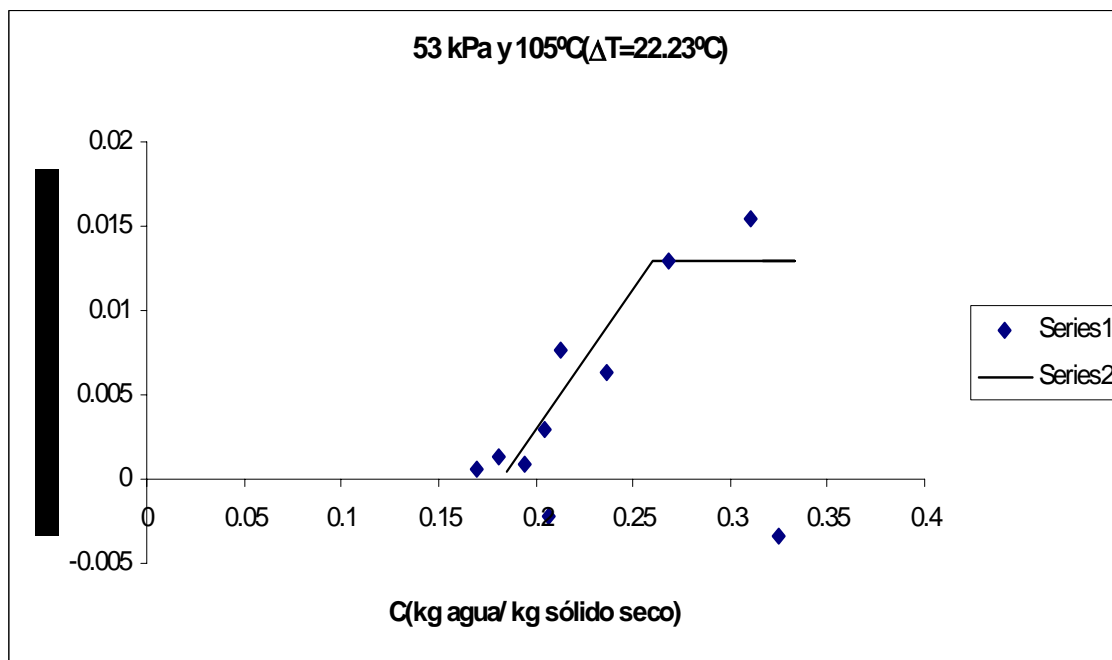


Figura C.42 Velocidad de secado de arroz con cáscara $v=3.34 \text{ m/s}$.

Arroz 105°C, 53kPa y 3.38 m/s.

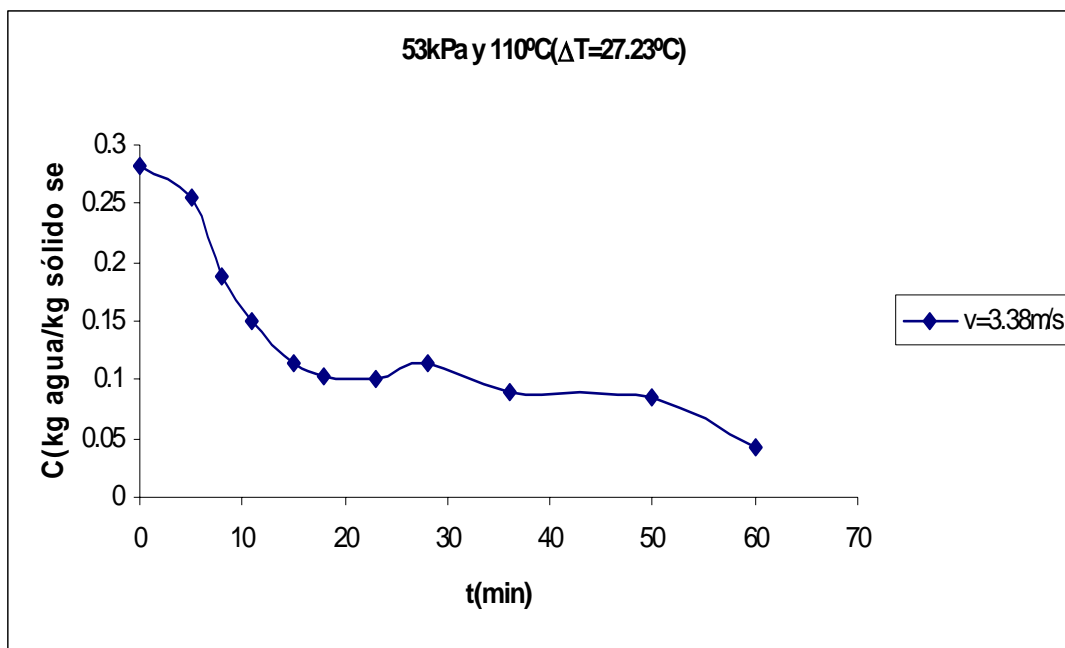


Figura C.43 Curva de secado de arroz con cáscara.

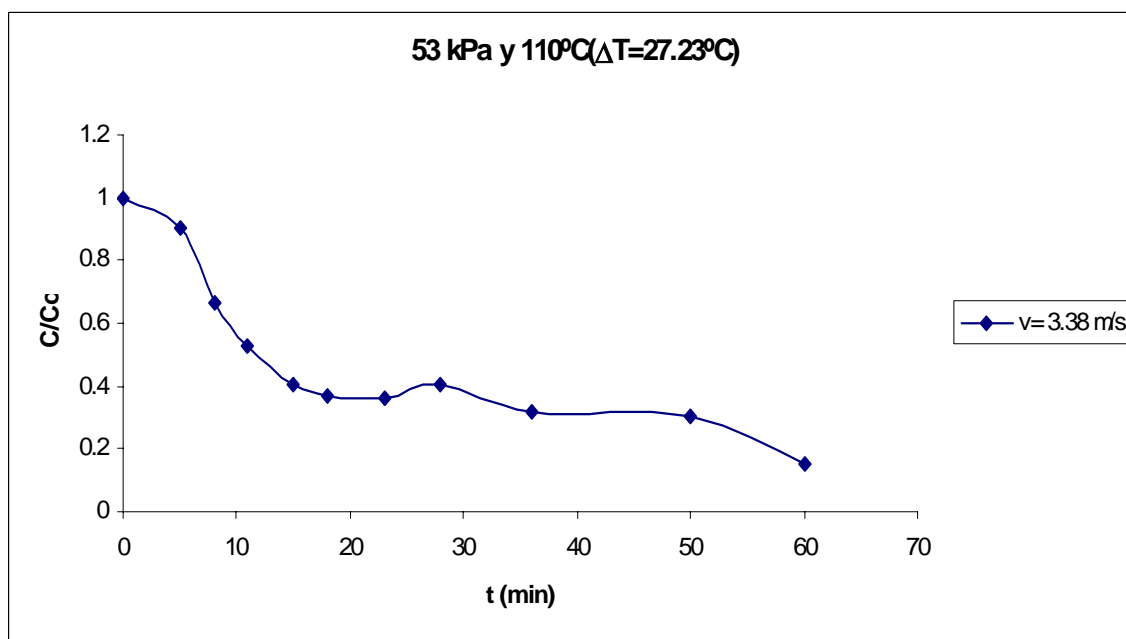


Figura C.44 Curva de secado de arroz con cáscara.

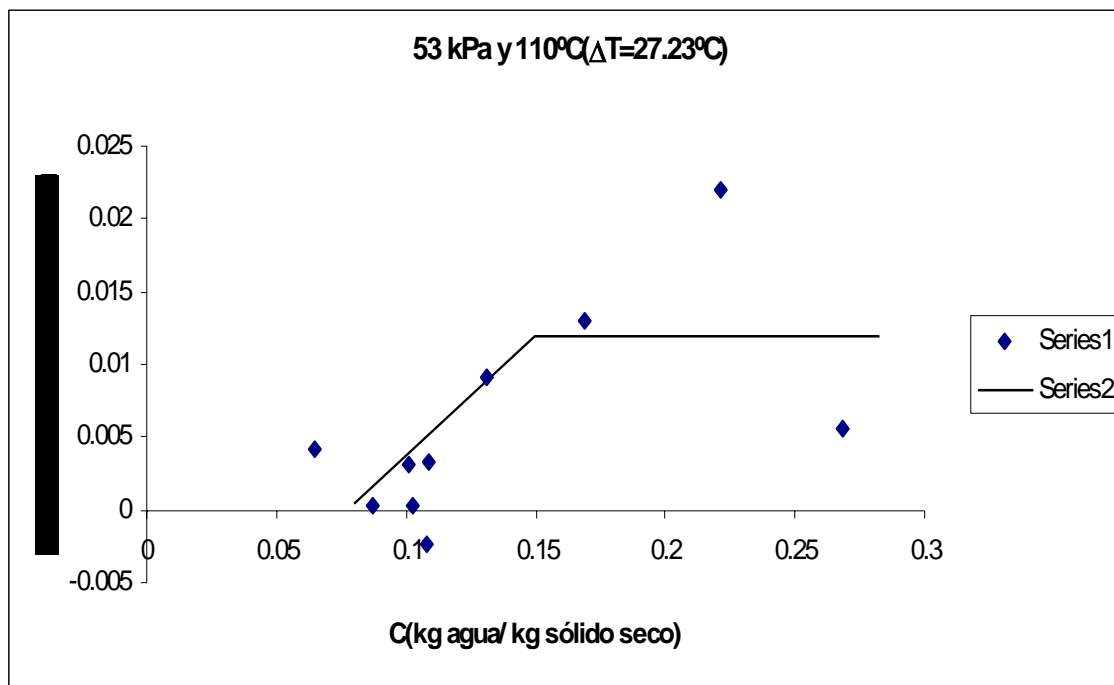


Figura C.45 Velocidad de secado de arroz con cáscara $v=3.38$ m/s.

Arroz 115°C, 53kPa y 3.50 m/s.

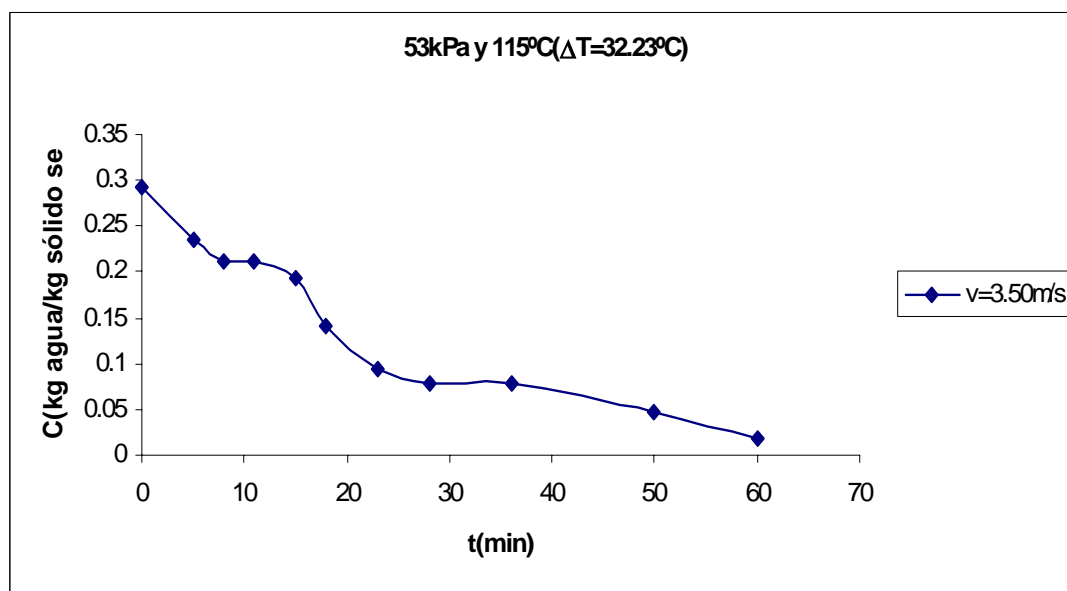


Figura C.46 Curva de secado de arroz con cáscara.

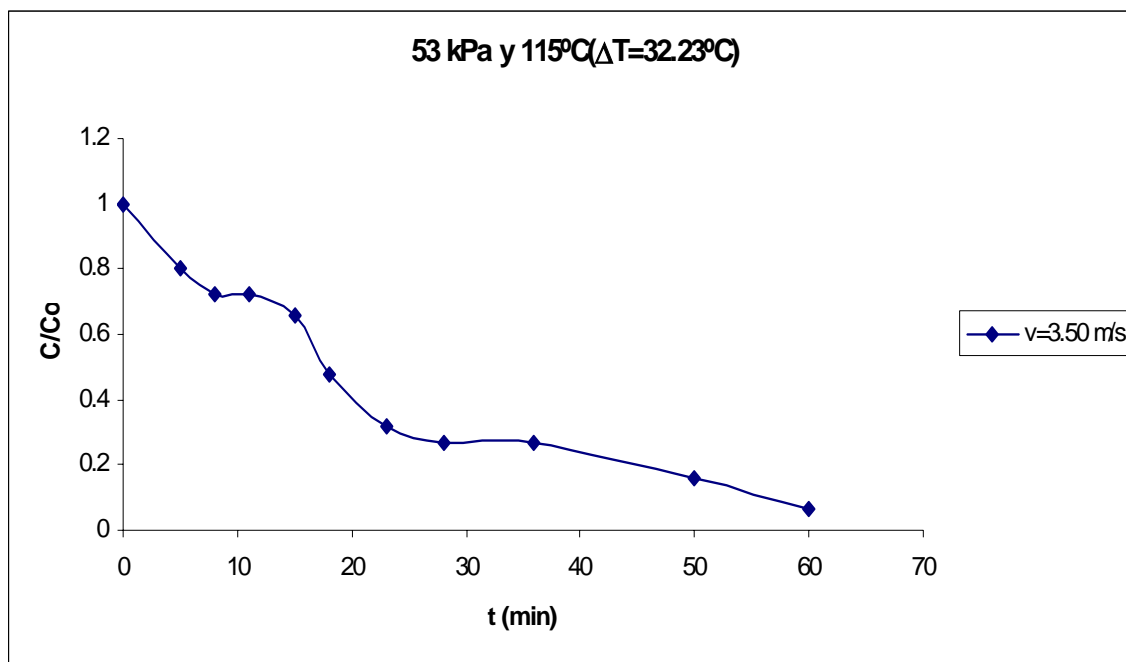


Figura C.47 Curva de secado de arroz con cáscara.

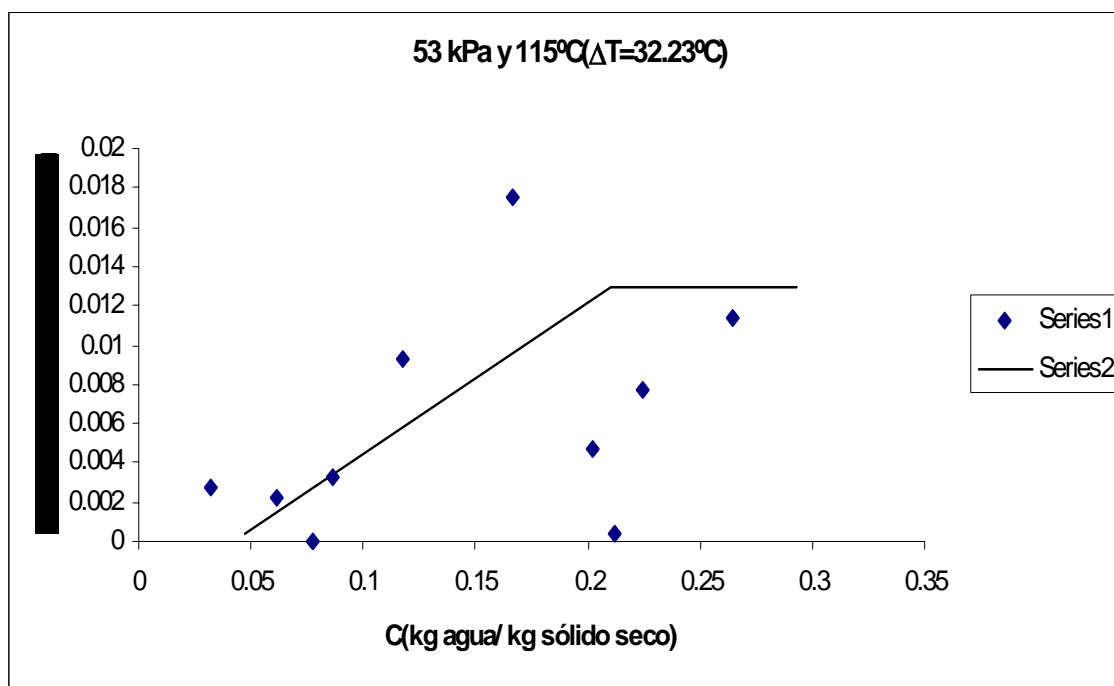


Figura C.48 Velocidad de secado de arroz con cáscara $v=3.50$ m/s.

Arroz 100°C, 67kPa y 2.32 m/s.

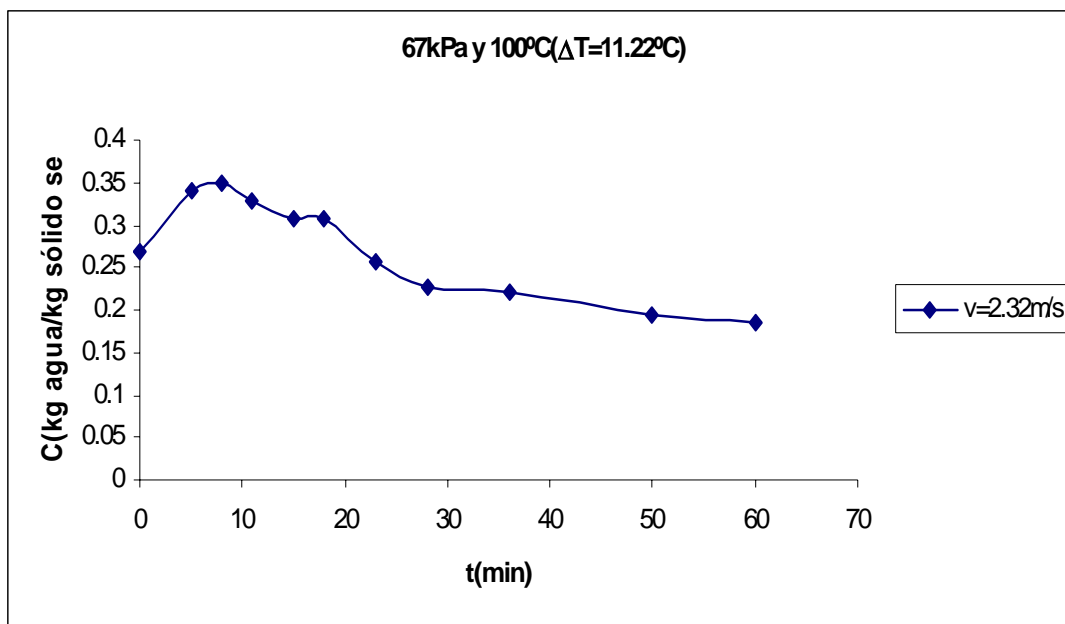


Figura C.49 Curva de secado de arroz con cáscara.

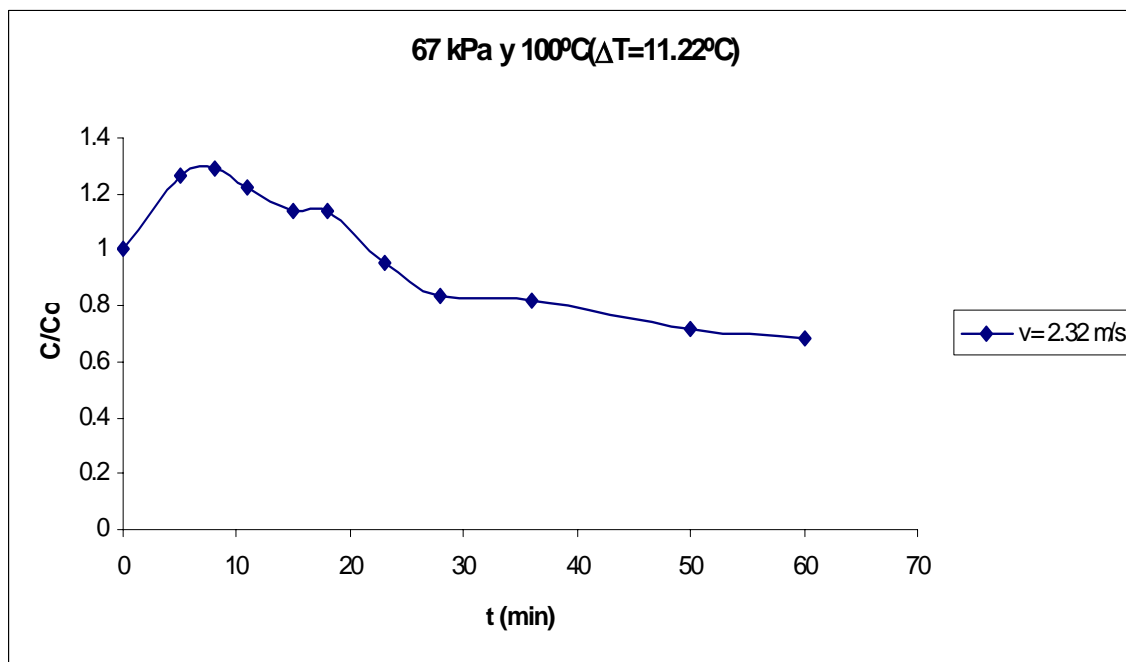


Figura C.50 Curva de secado de arroz con cáscara.

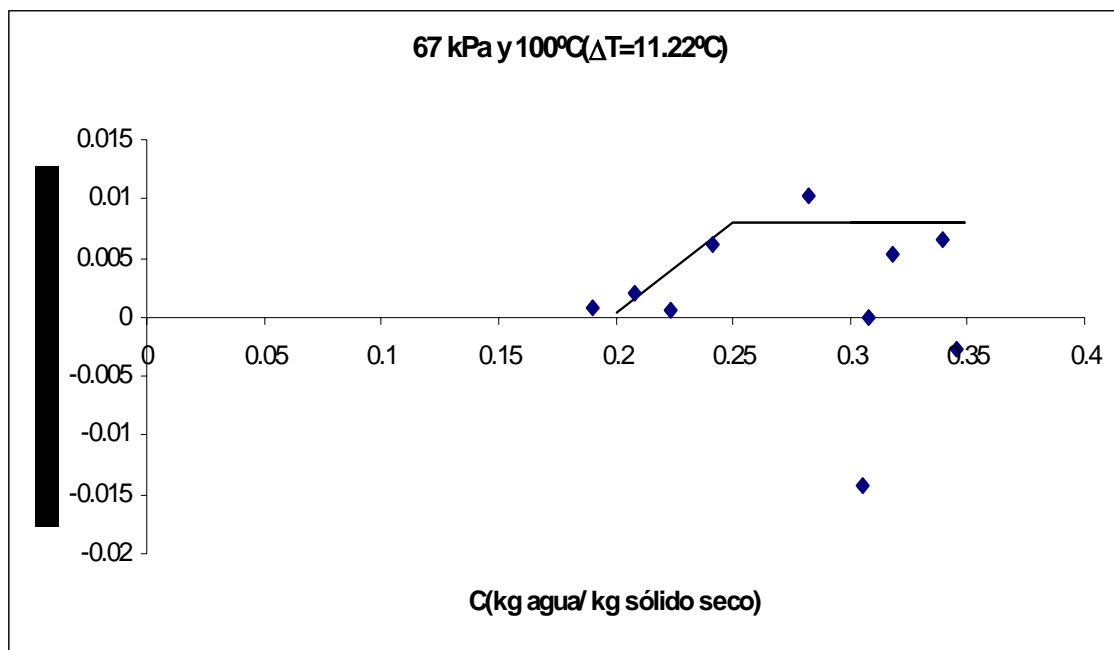


Figura C.51 Velocidad de secado de arroz con cáscara $v=2.32$ m/s.

Arroz 105°C, 67kPa y 2.33 m/s.

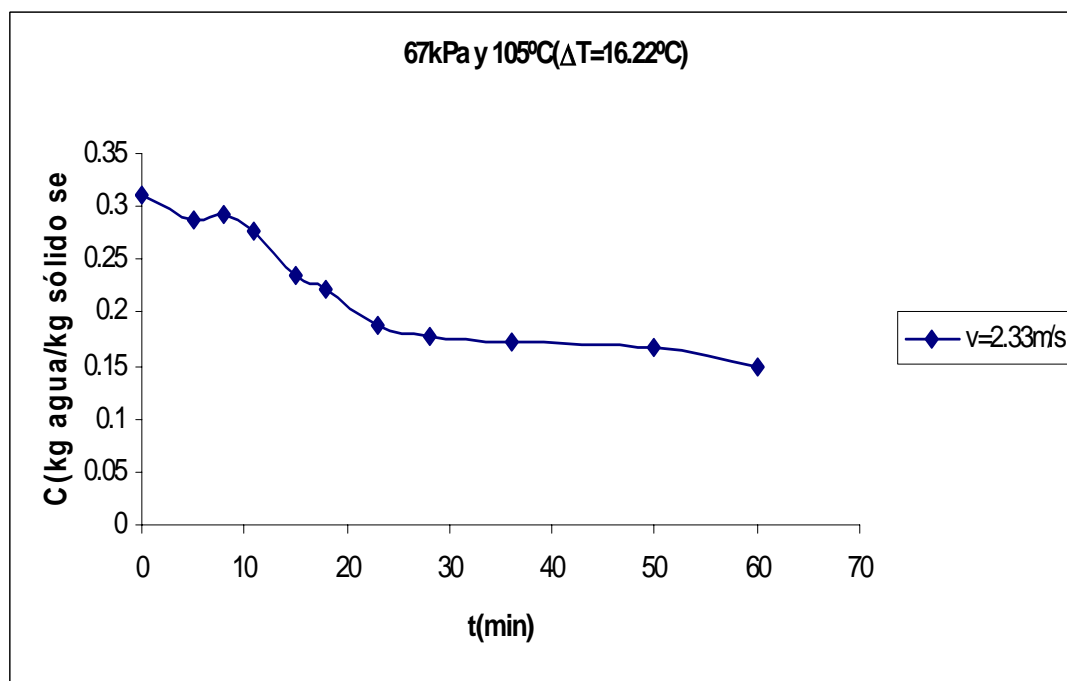


Figura C.52 Curva de secado de arroz con cáscara.

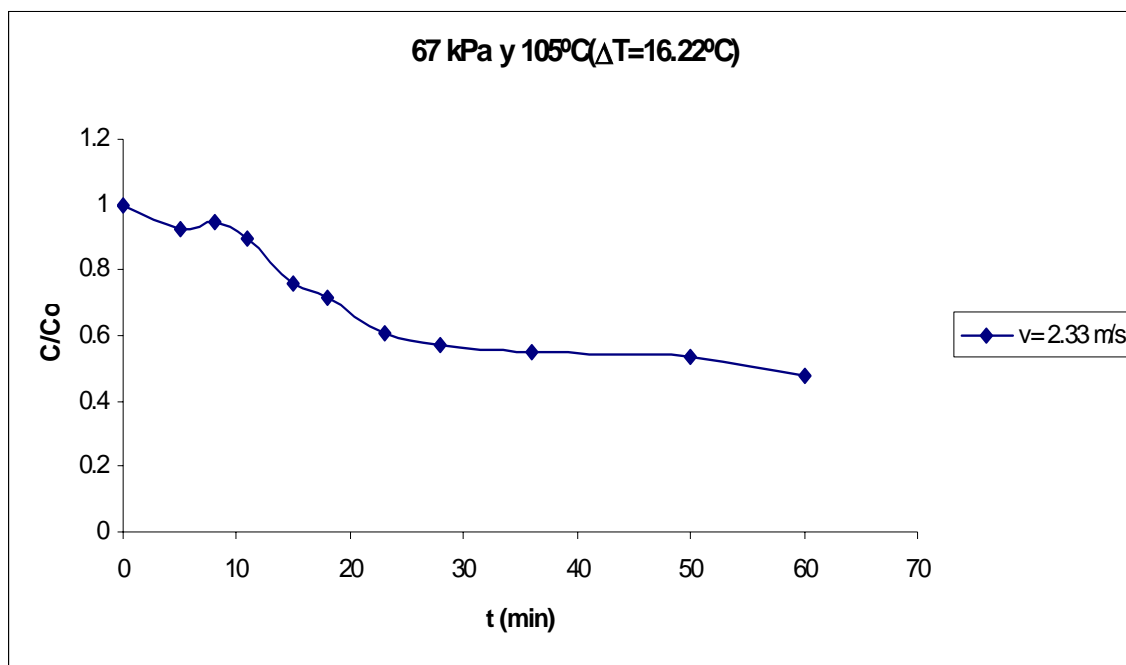


Figura C.53 Curva de secado de arroz con cáscara.

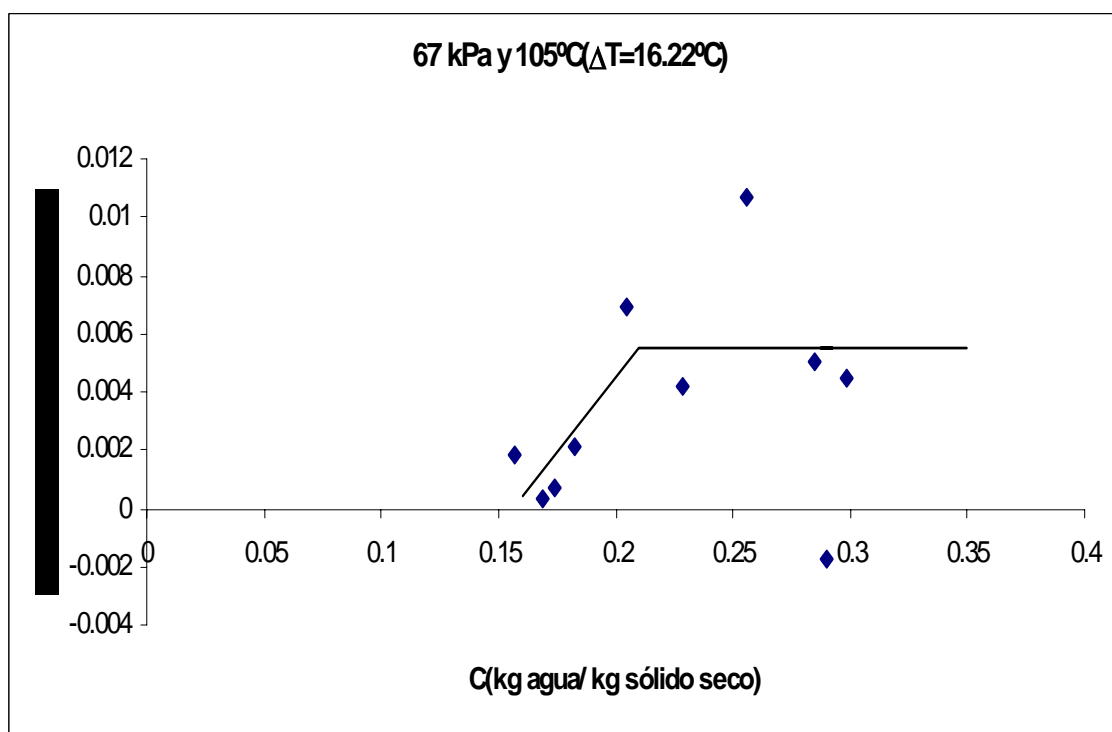


Figura C.54 Velocidad de secado de arroz con cáscara $v=2.33$ m/s.

Arroz 110°C, 67kPa y 2.33 m/s.

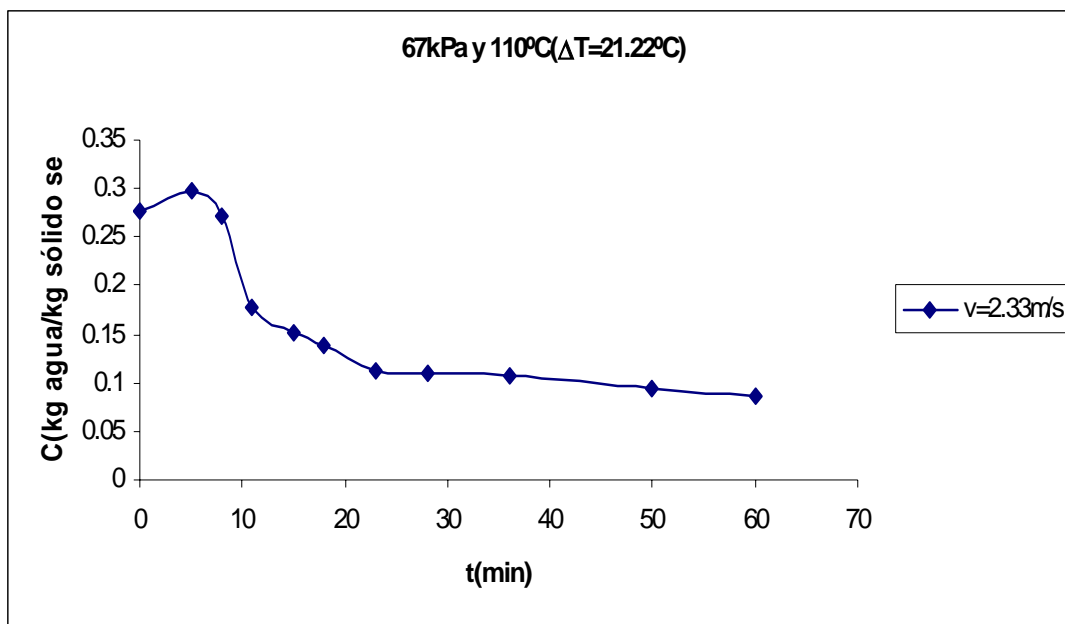


Figura C.55 Curva de secado de arroz con cáscara.

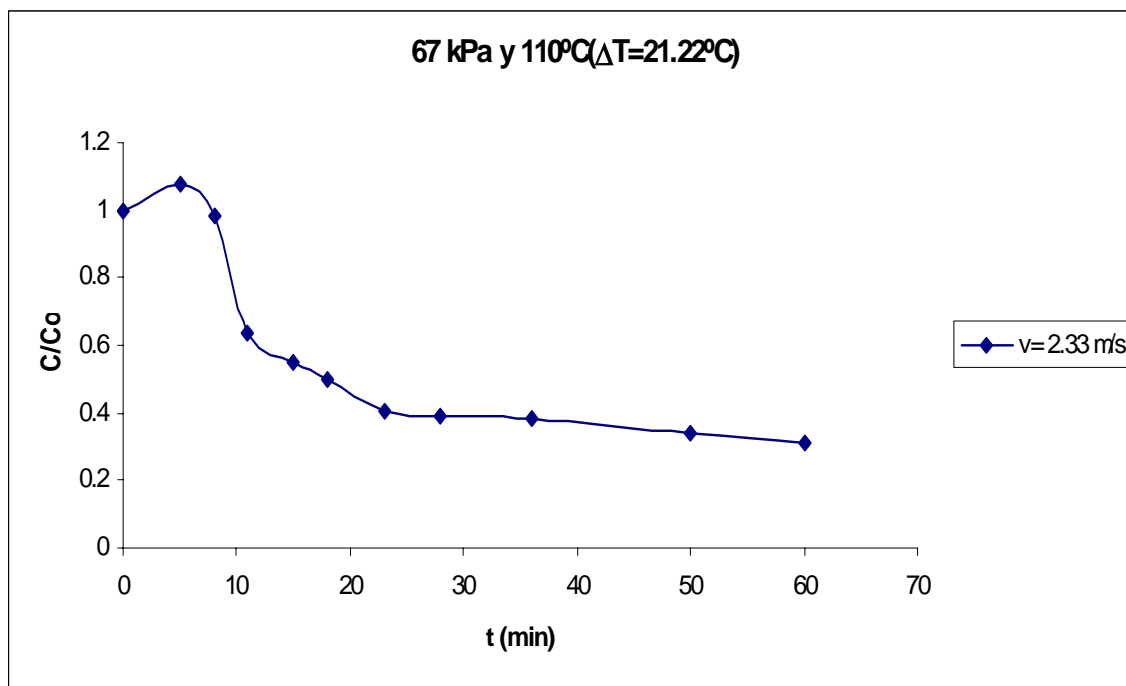


Figura C.56 Curva de secado de arroz con cáscara.

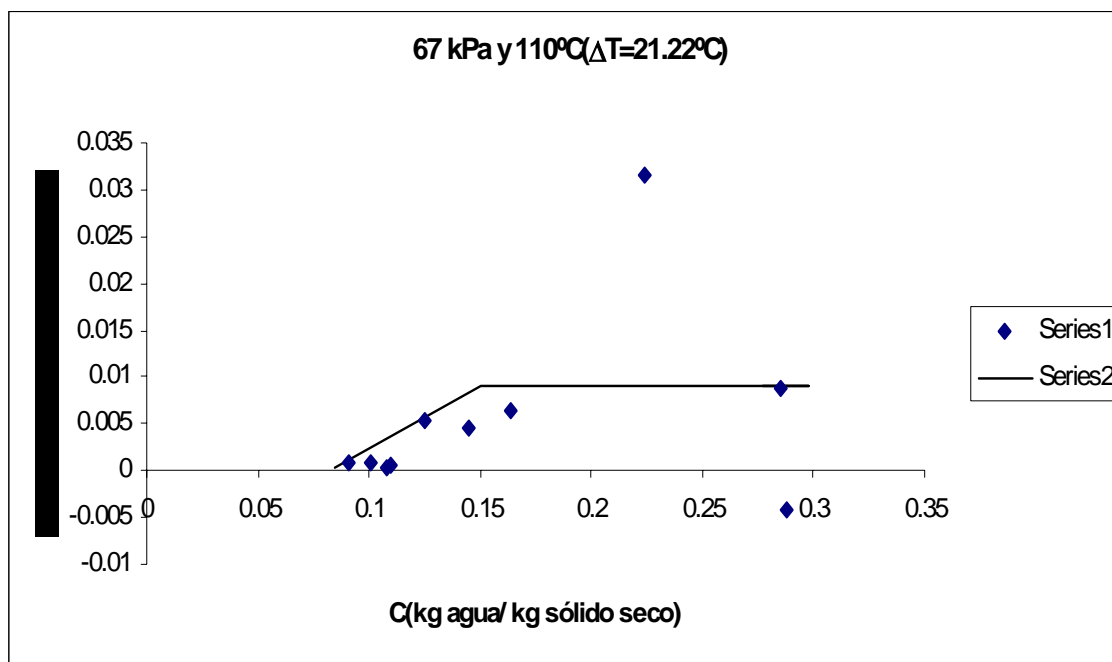


Figura C.57 Velocidad de secado de arroz con cáscara $v=2.33$ m/s.

Arroz 100°C , 67kPa y 2.51 m/s.

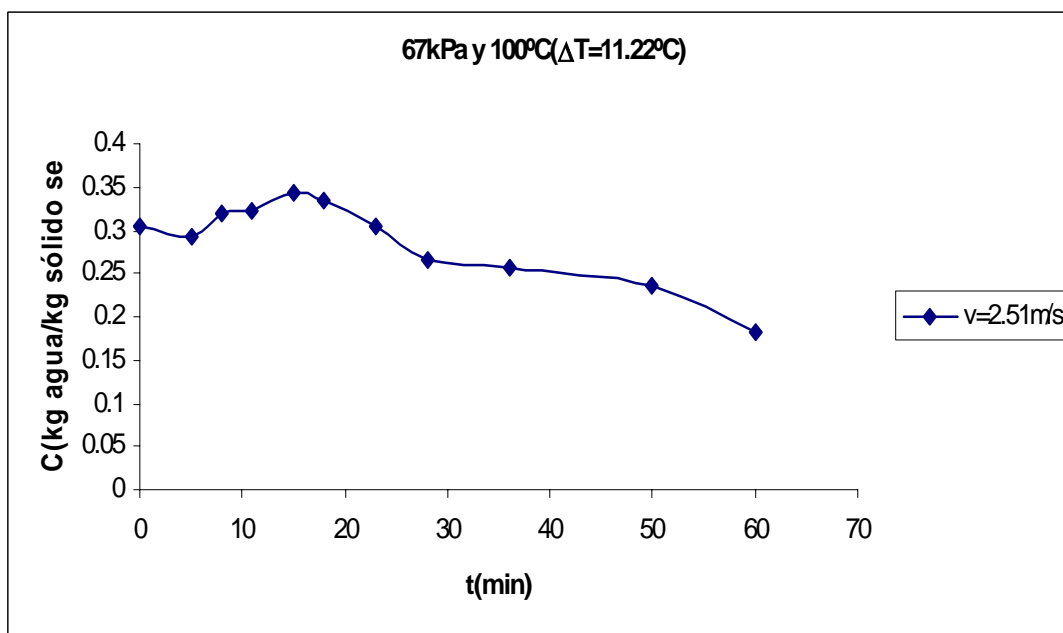


Figura C.58 Curva de secado de arroz con cáscara.

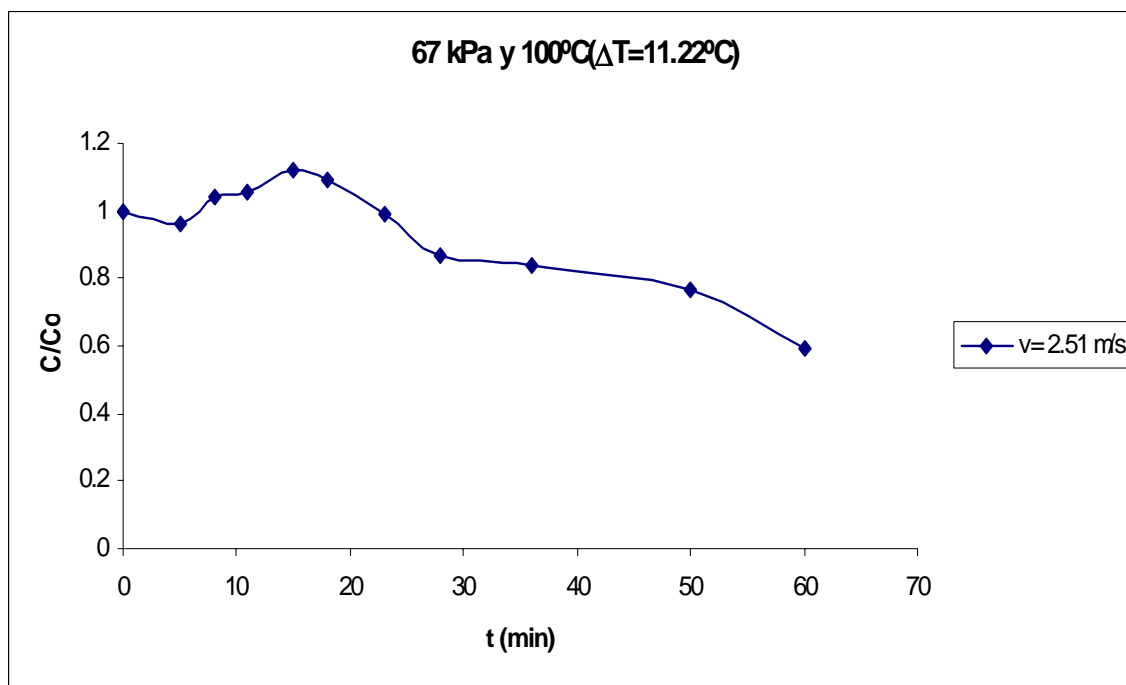


Figura C.59 Curva de secado de arroz con cáscara.

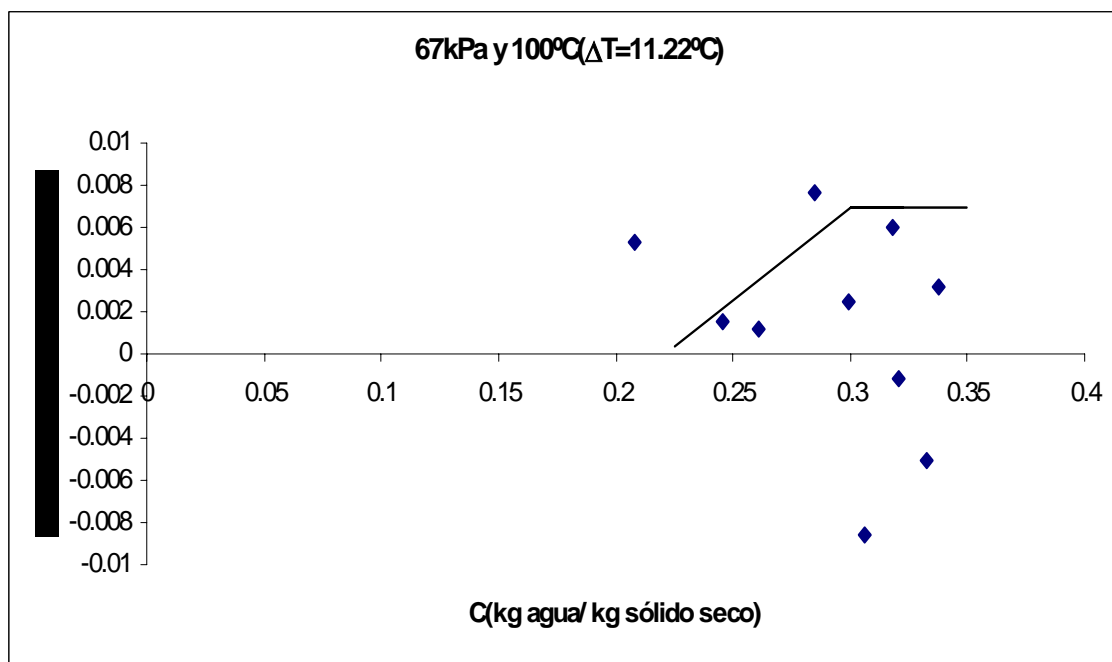


Figura C.60 Velocidad de secado de arroz con cáscara $v=2.51$ m/s.

Arroz 105°C, 67kPa y 2.51 m/s.

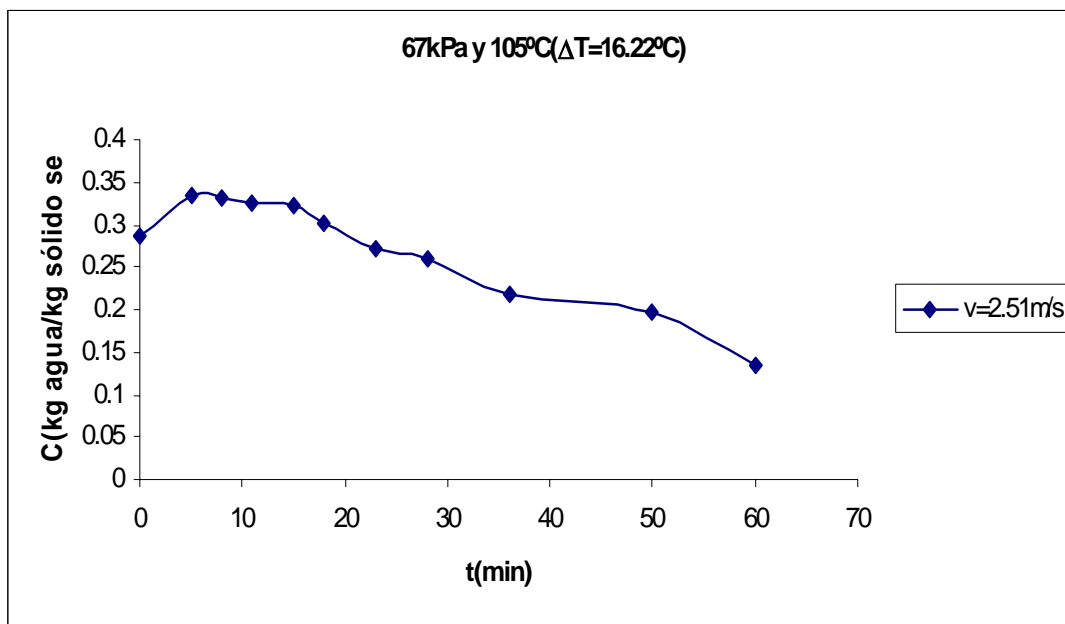


Figura C.61 Curva de secado de arroz con cáscara.

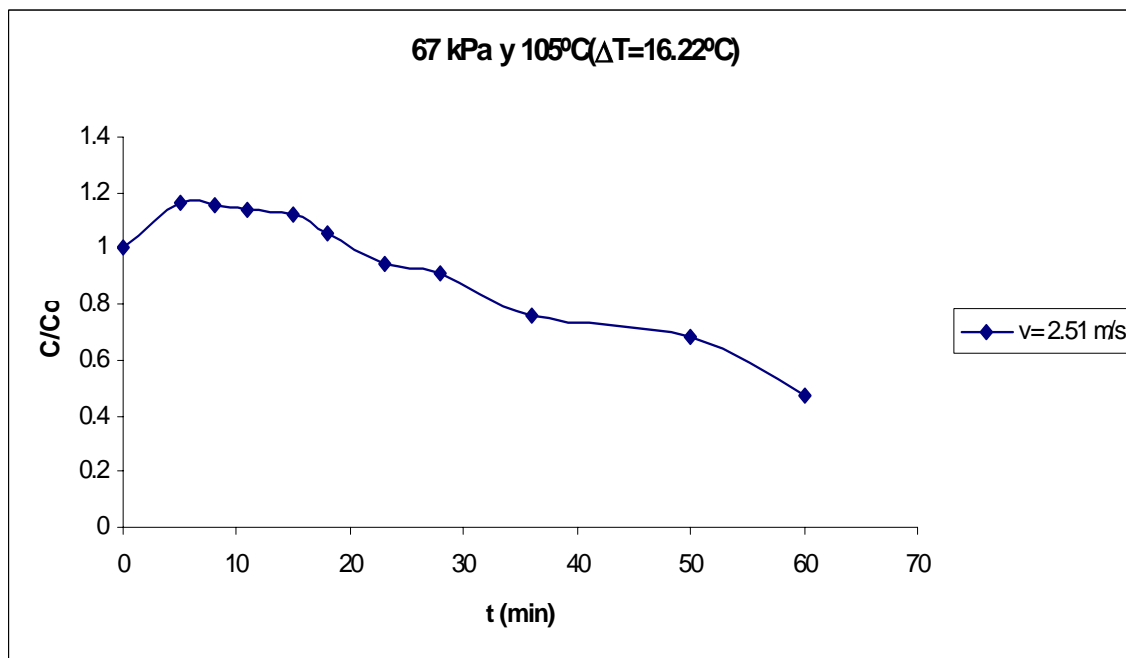


Figura C.62 Curva de secado de arroz con cáscara.

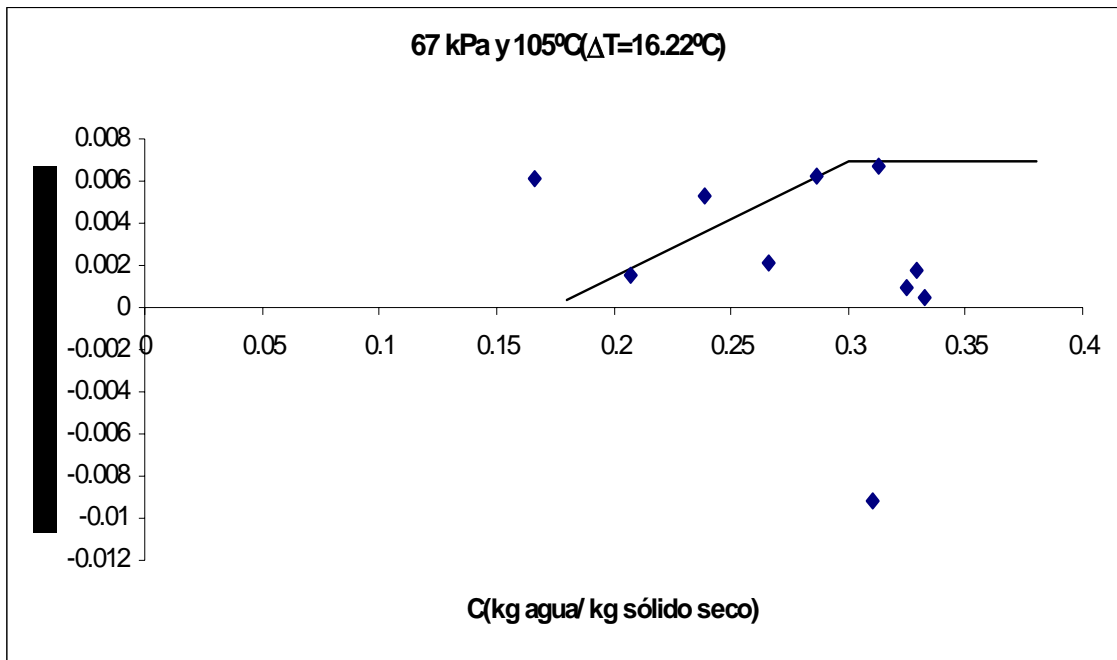


Figura C.63 Velocidad de secado de arroz con cáscara $v=2.51$ m/s.

Arroz 110°C, 67kPa y 2.47 m/s.

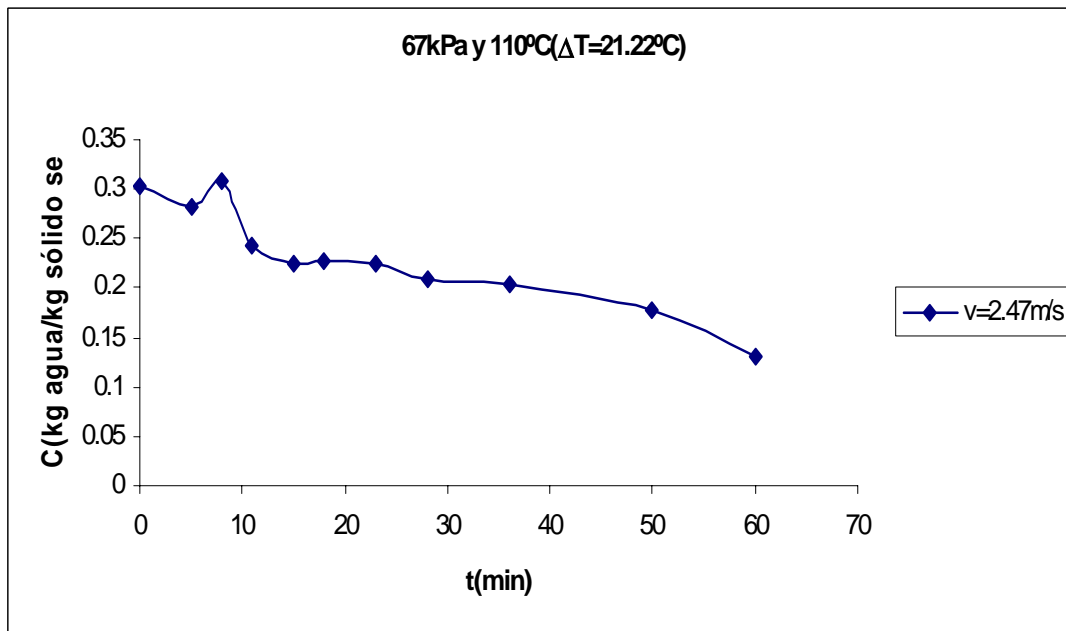


Figura C.64 Curva de secado de arroz con cáscara.

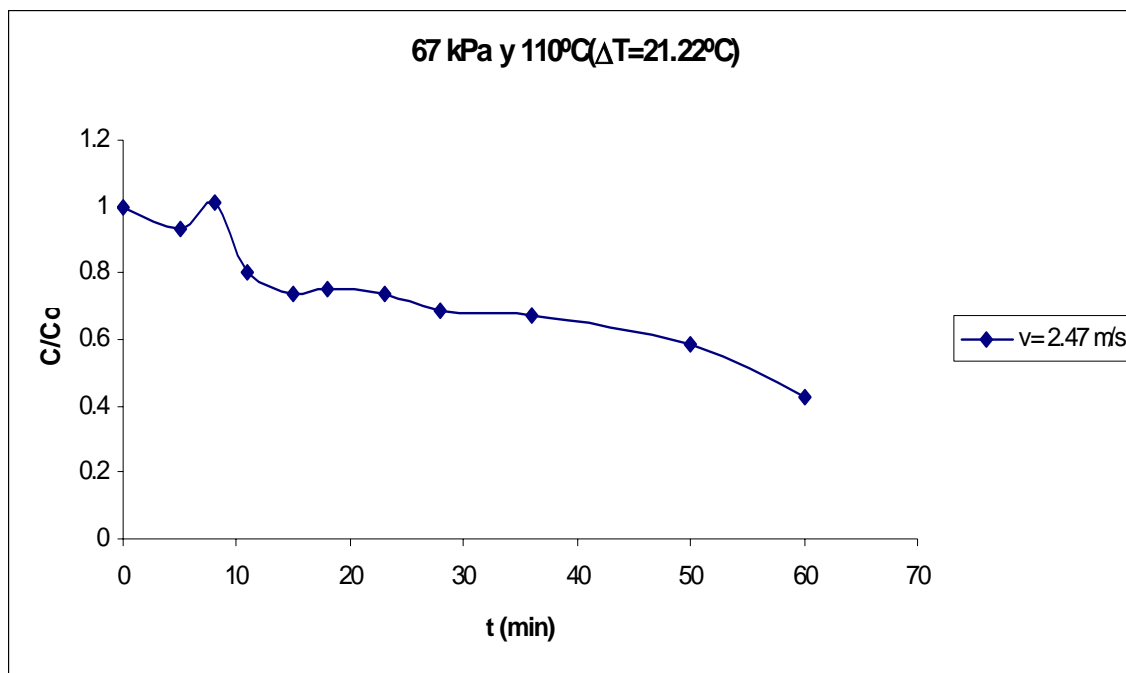


Figura C.65 Curva de secado de arroz con cáscara.

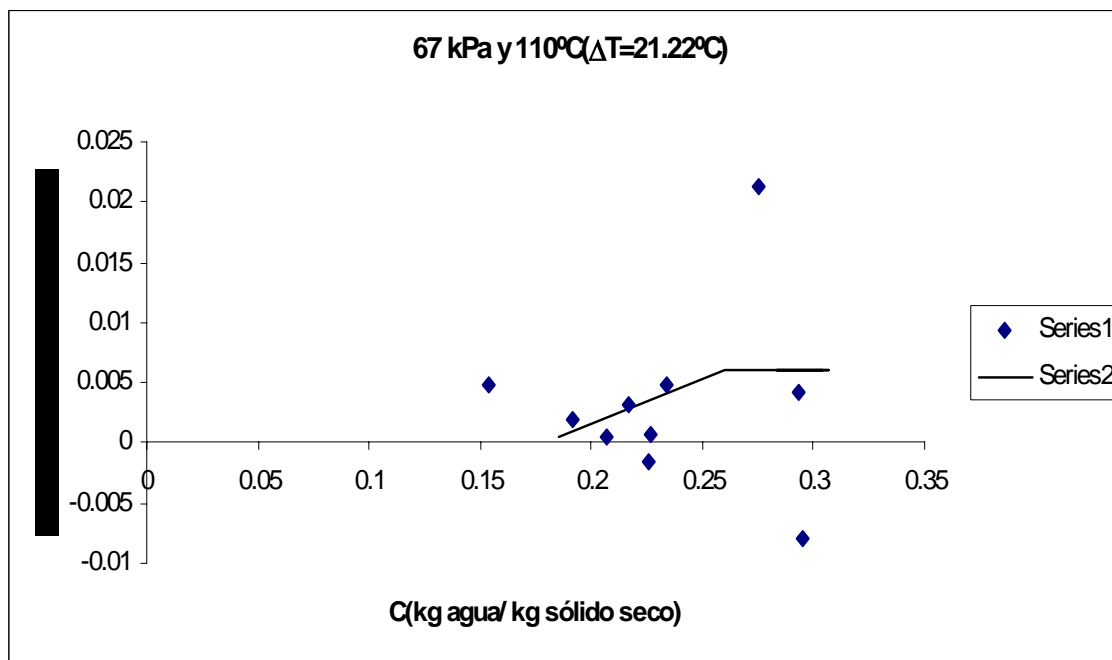


Figura C.66 Velocidad de secado de arroz con cáscara $v=2.47$ m/s.

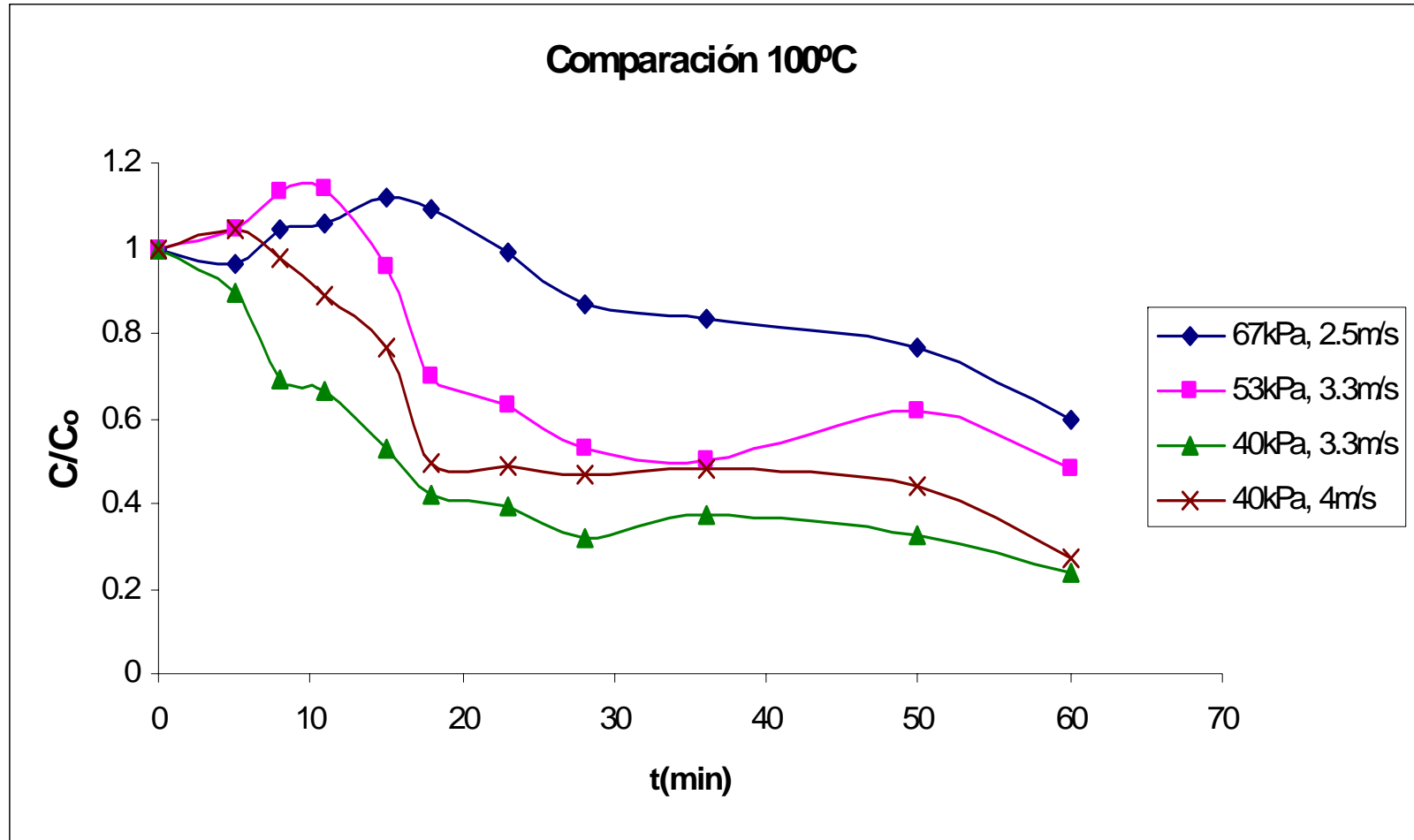


Figura C.67 Comparación de curvas normalizadas de secado.

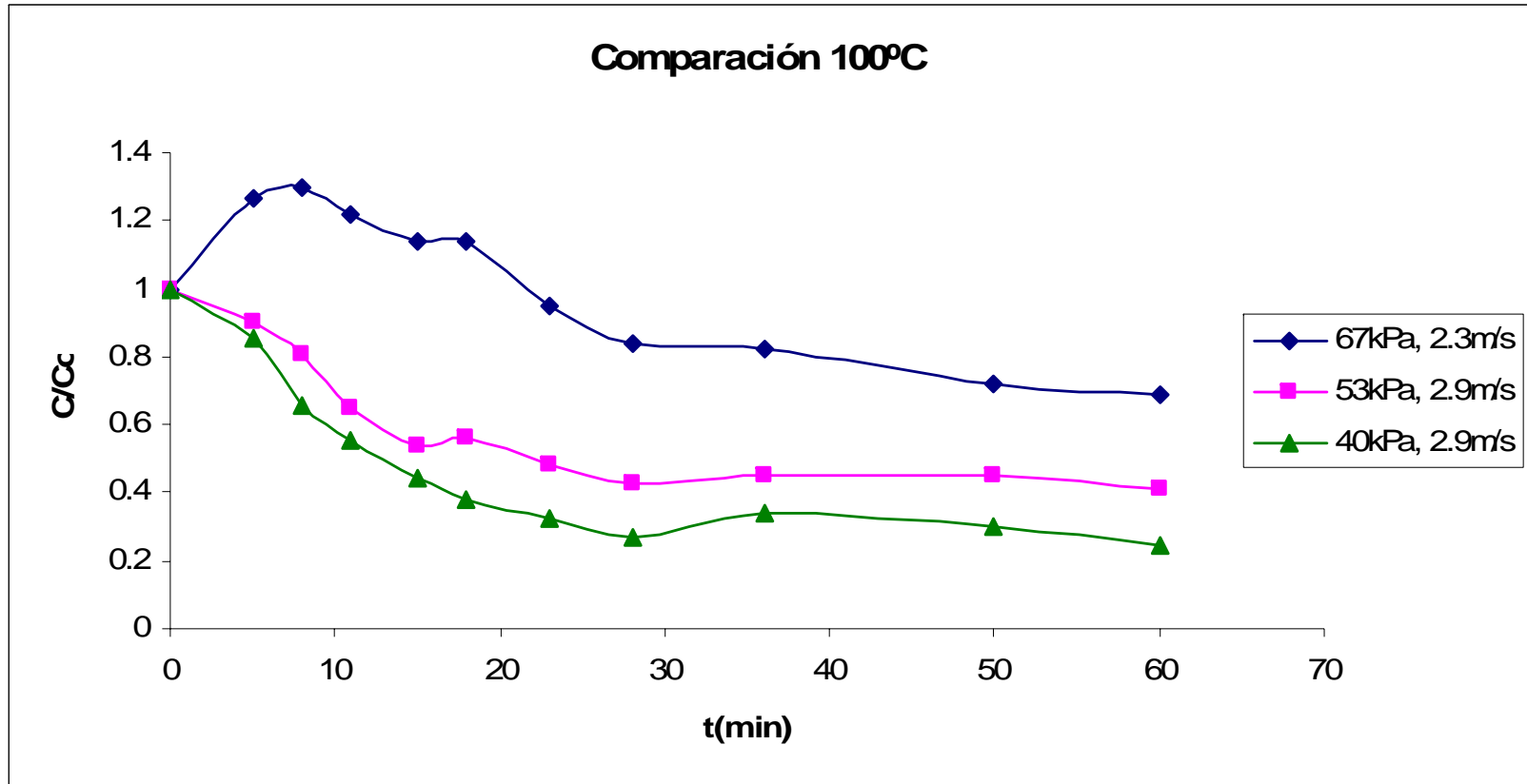


Figura C.68 Comparación de curvas normalizadas de secado.

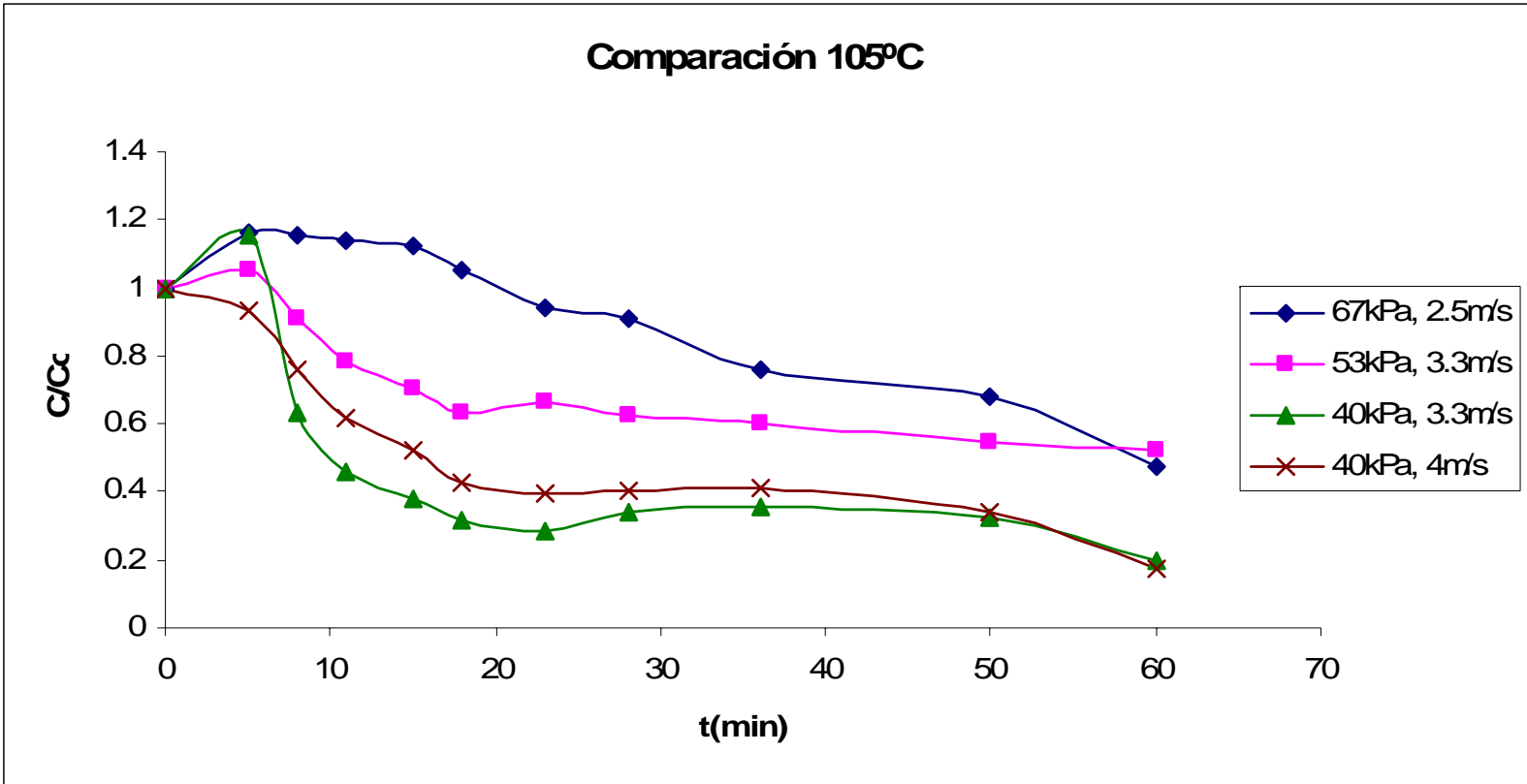


Figura C.69 Comparación de curvas normalizadas de secado.

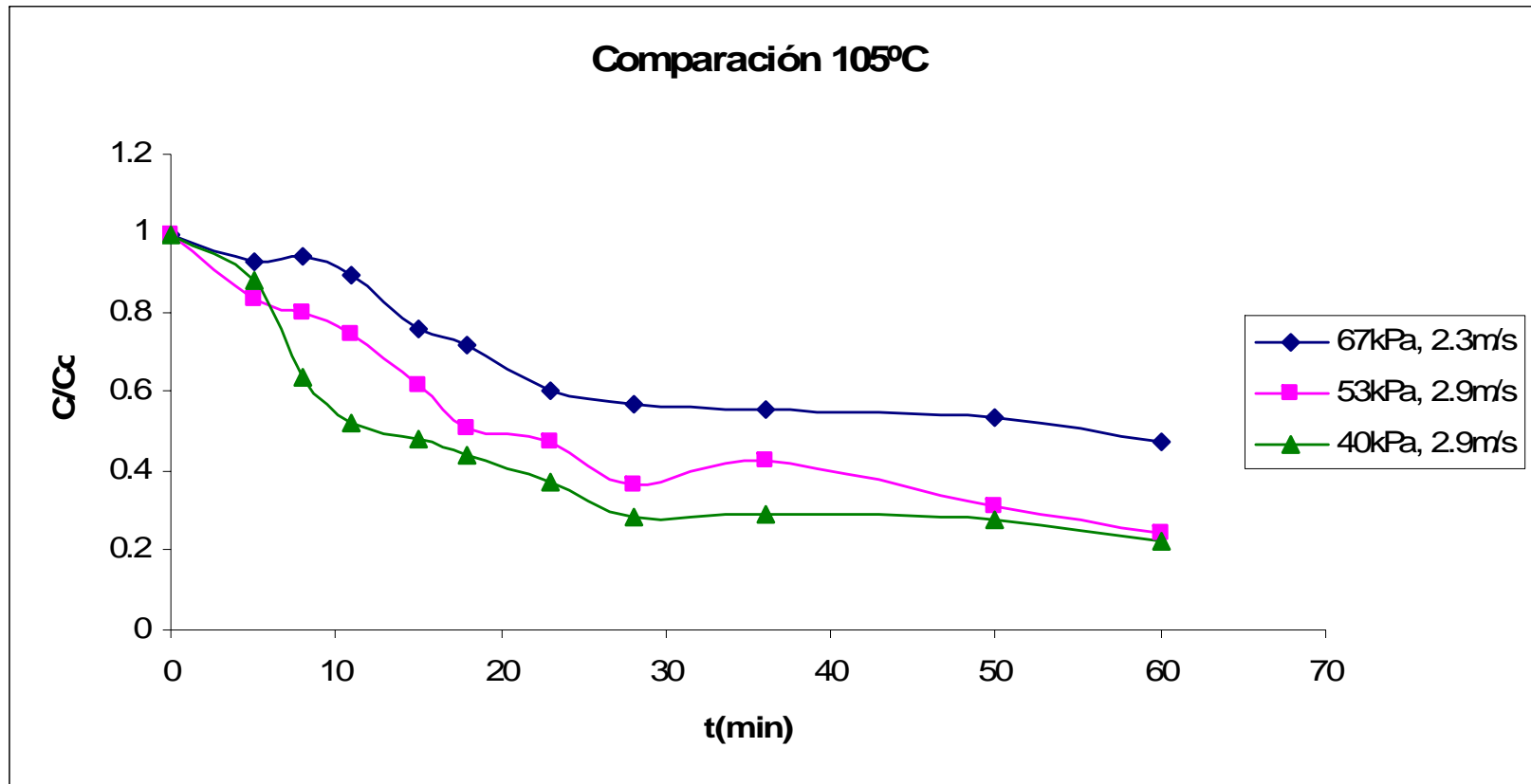


Figura C.70 Comparación de curvas normalizadas de secado.

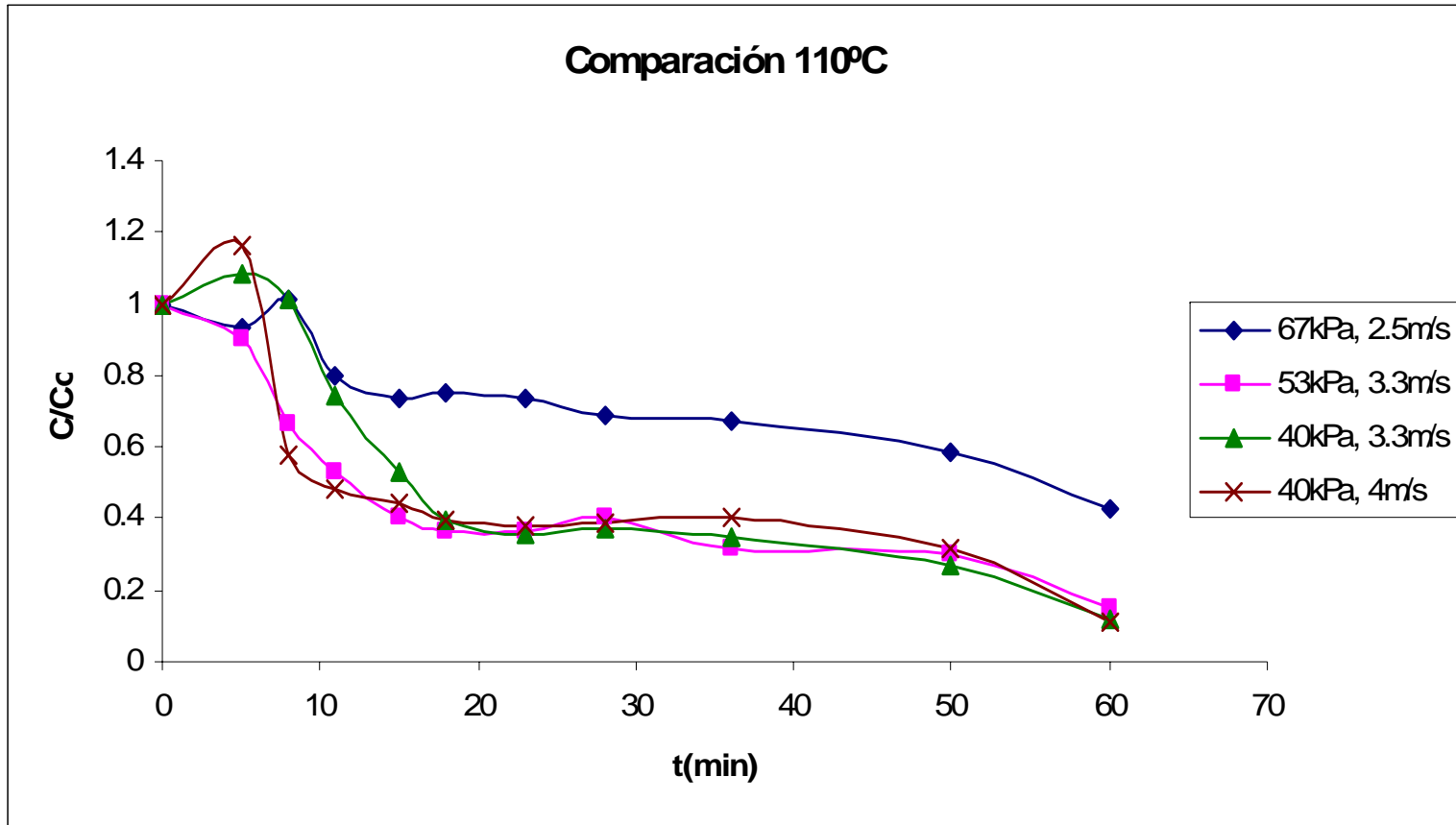


Figura C.71 Comparación de curvas normalizadas de secado.

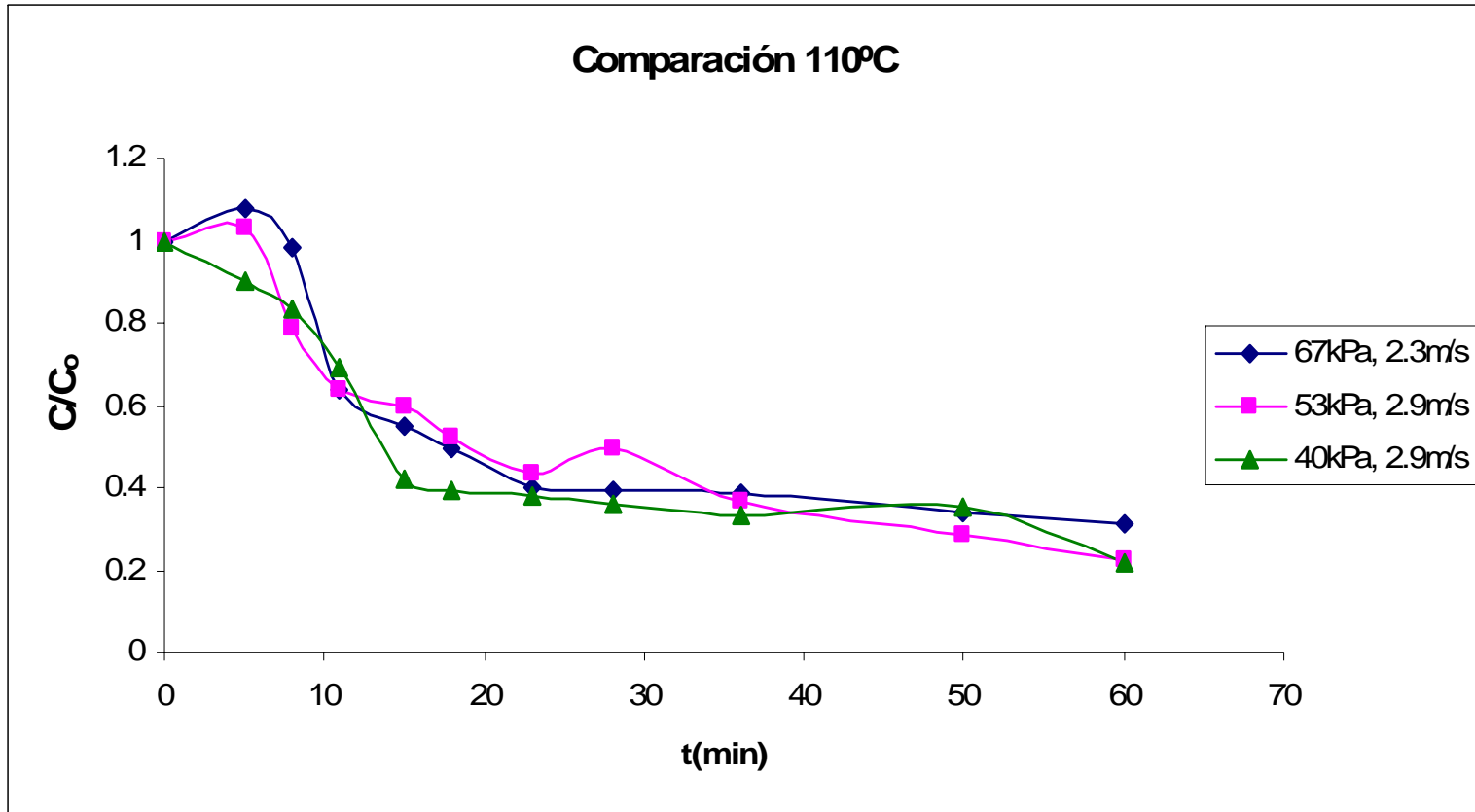


Figura C.72 Comparación de curvas normalizadas de secado.

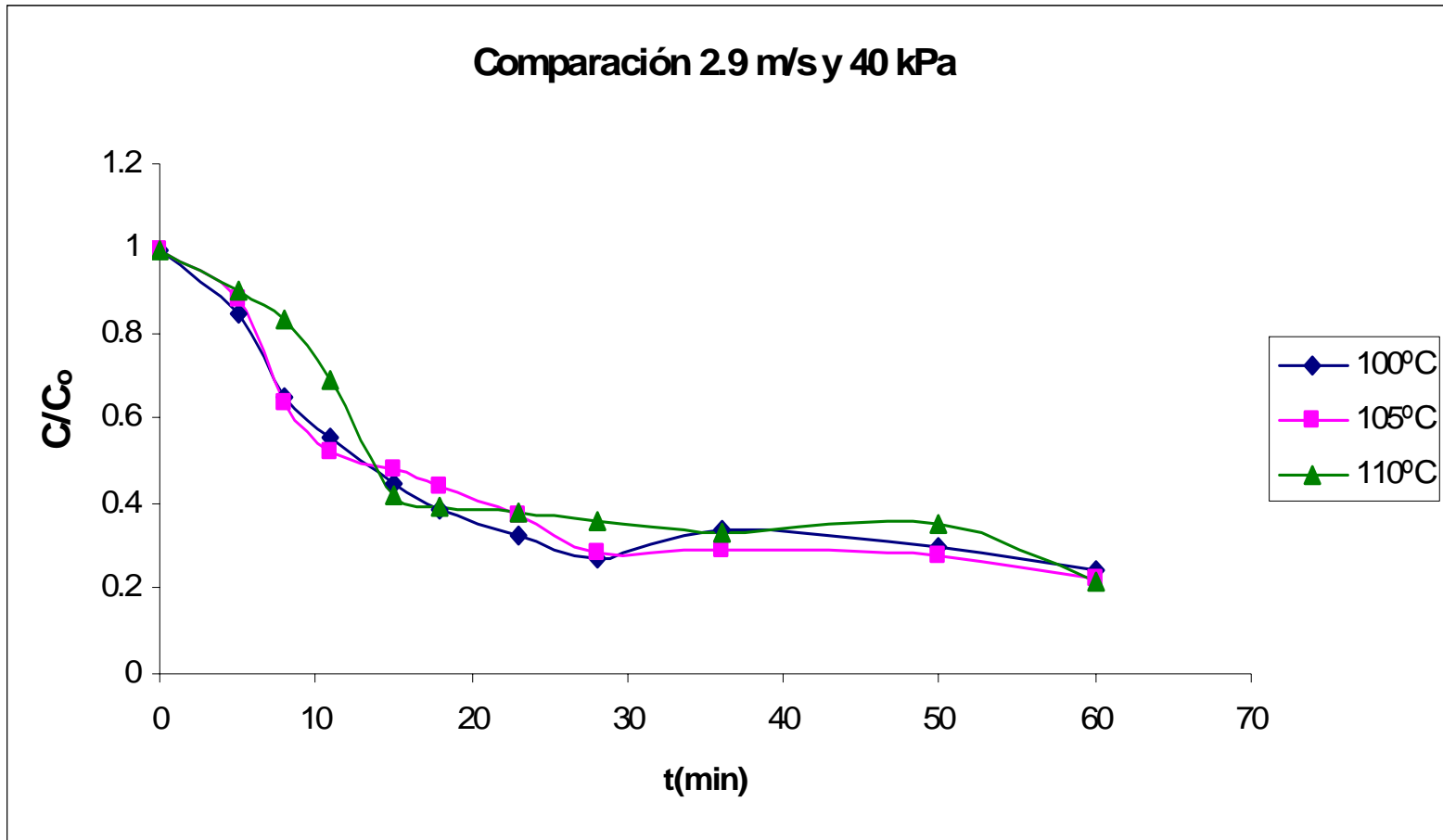


Figura C.73 Comparación de curvas normalizadas de secado.

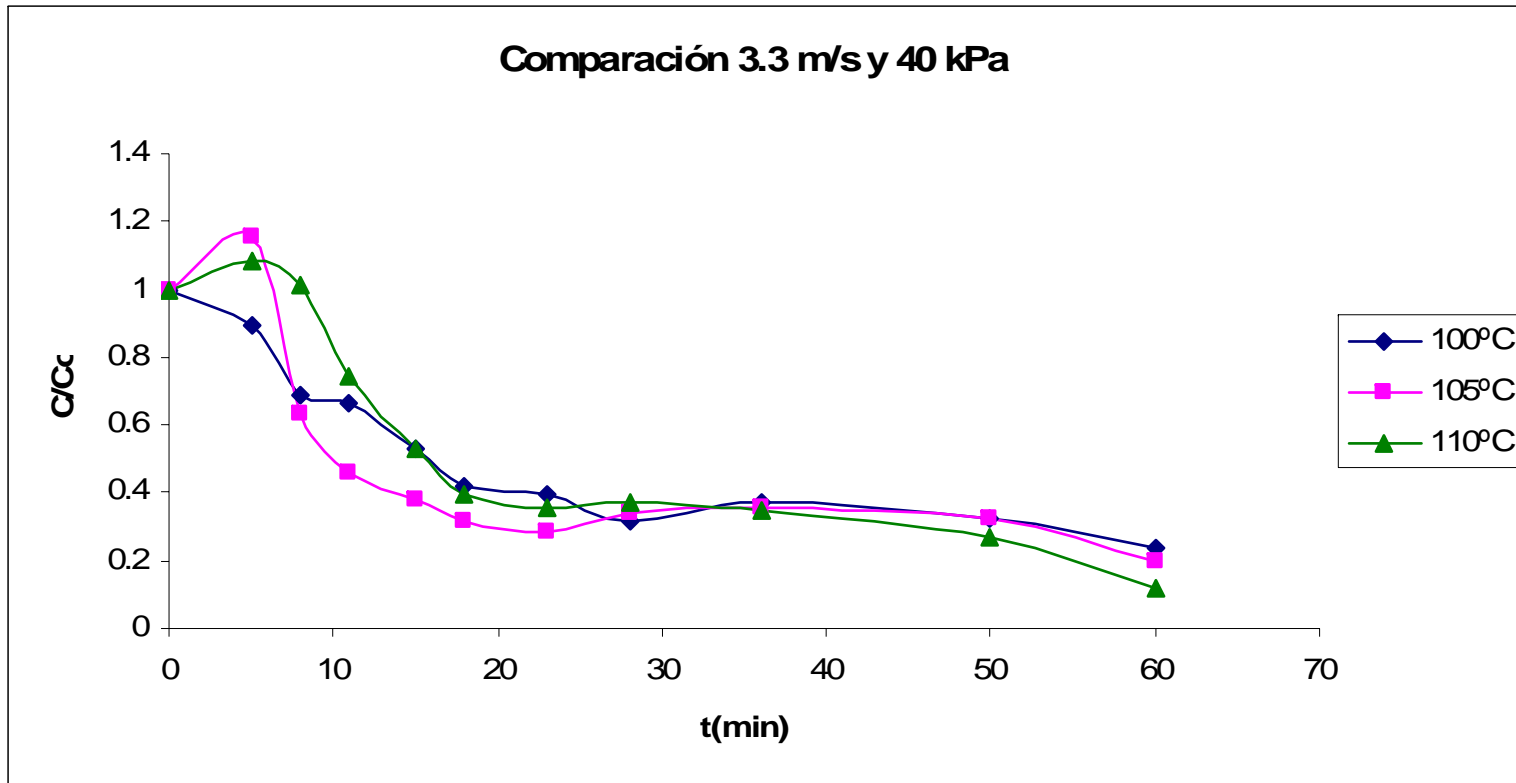


Figura C.74 Comparación de curvas normalizadas de secado.

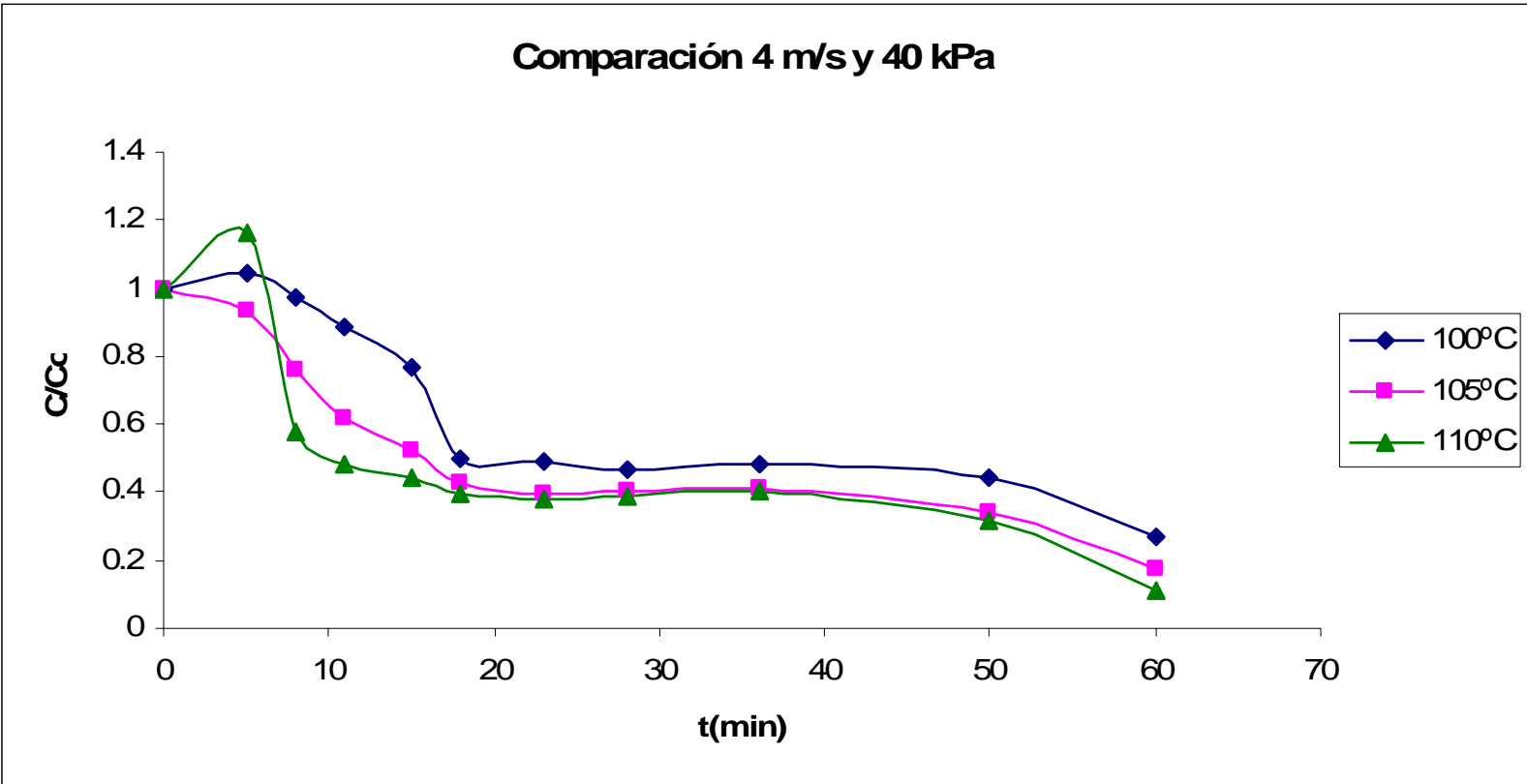


Figura C.75 Comparación de curvas normalizadas de secado.

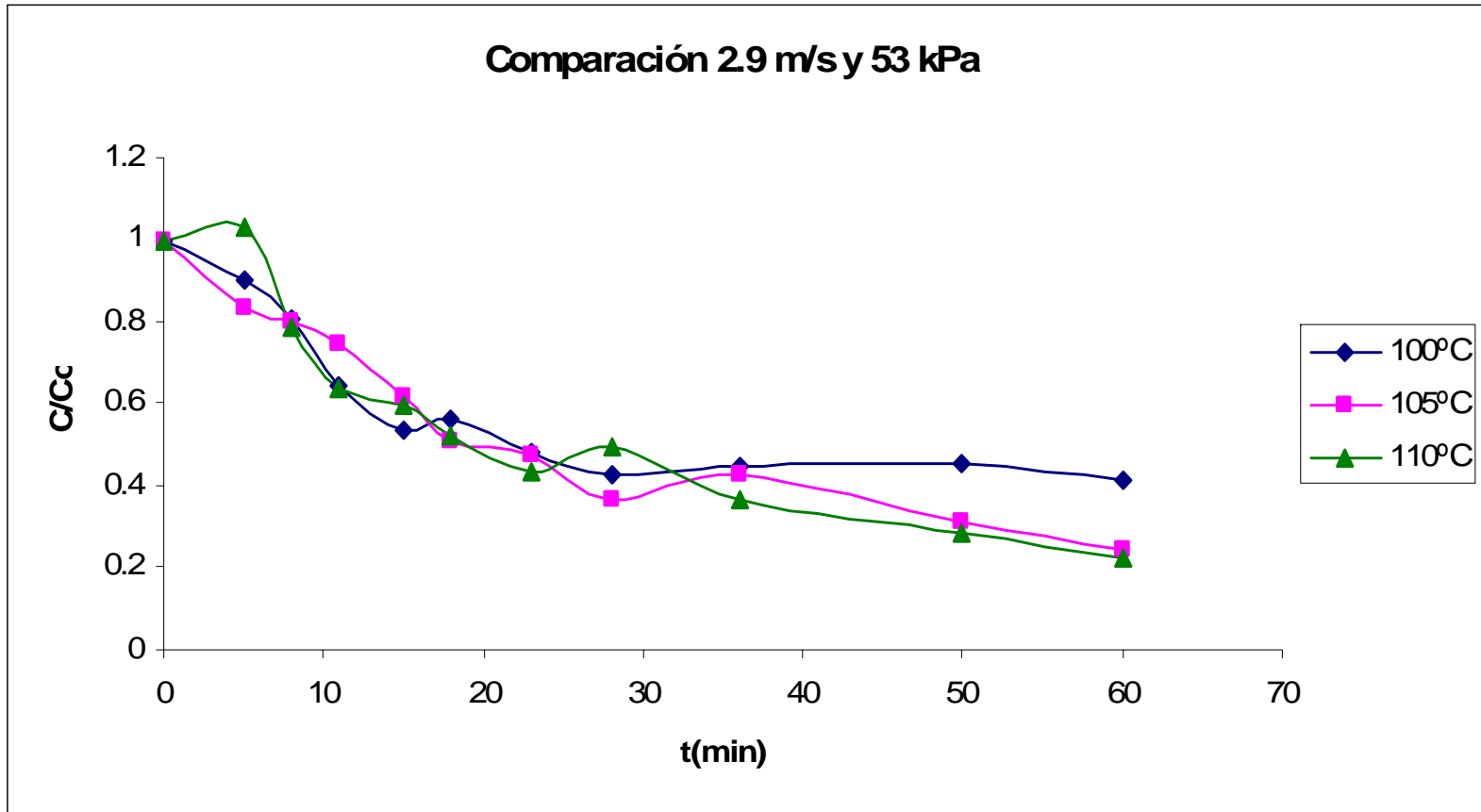


Figura C.76 Comparación de curvas normalizadas de secado.

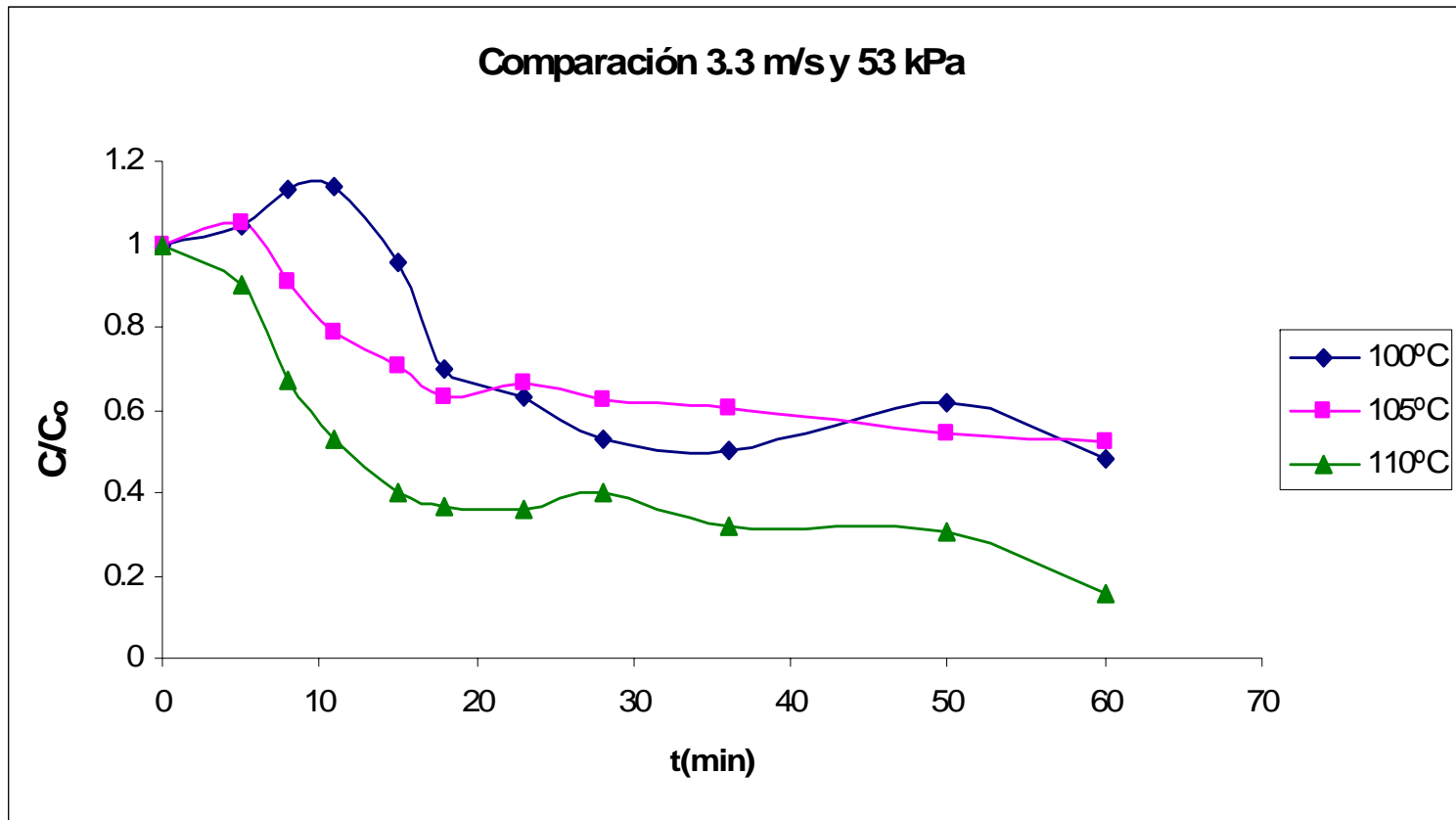


Figura C.77 Comparación de curvas normalizadas de secado.

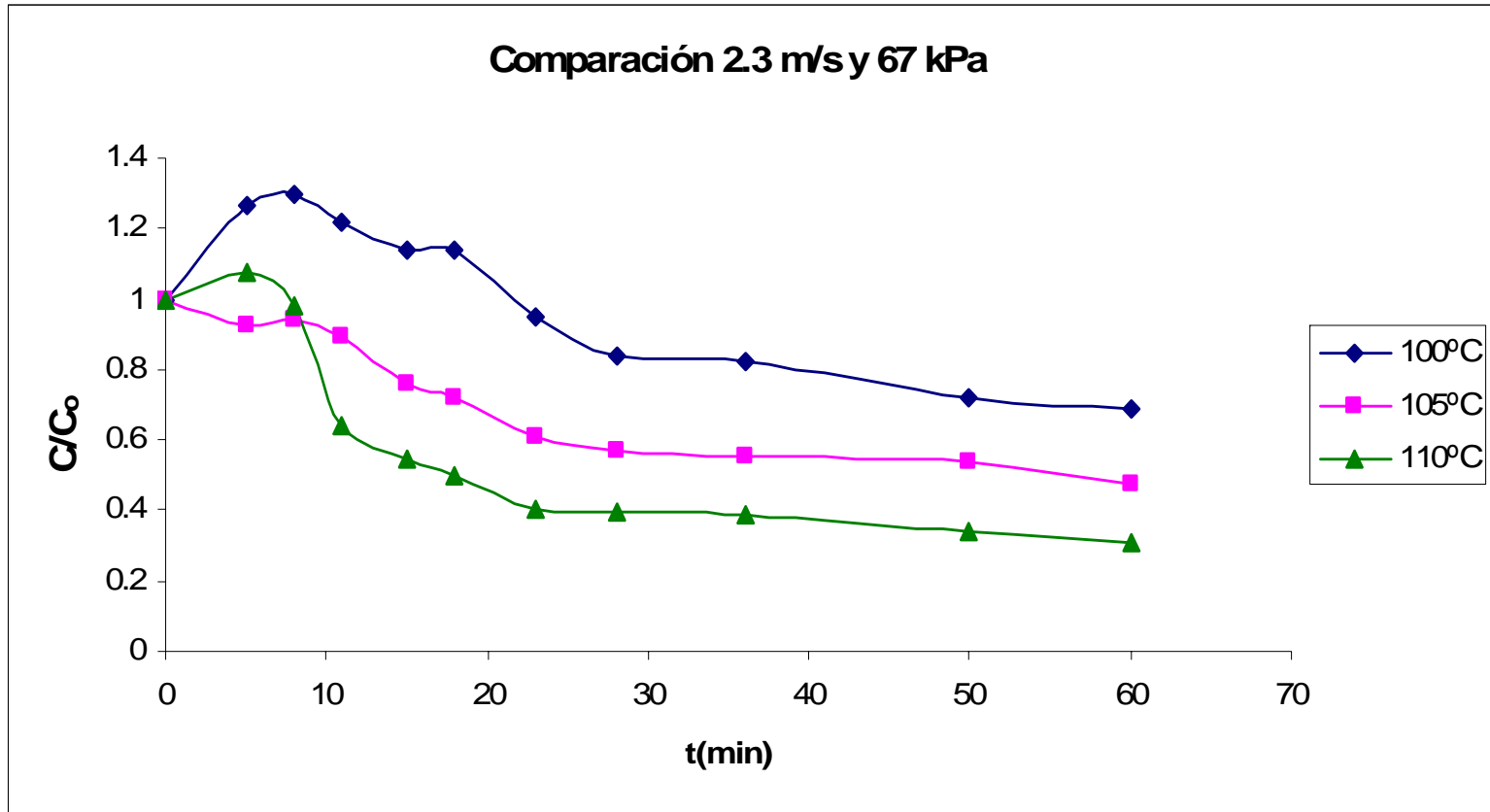


Figura C.78 Comparación de curvas normalizadas de secado.

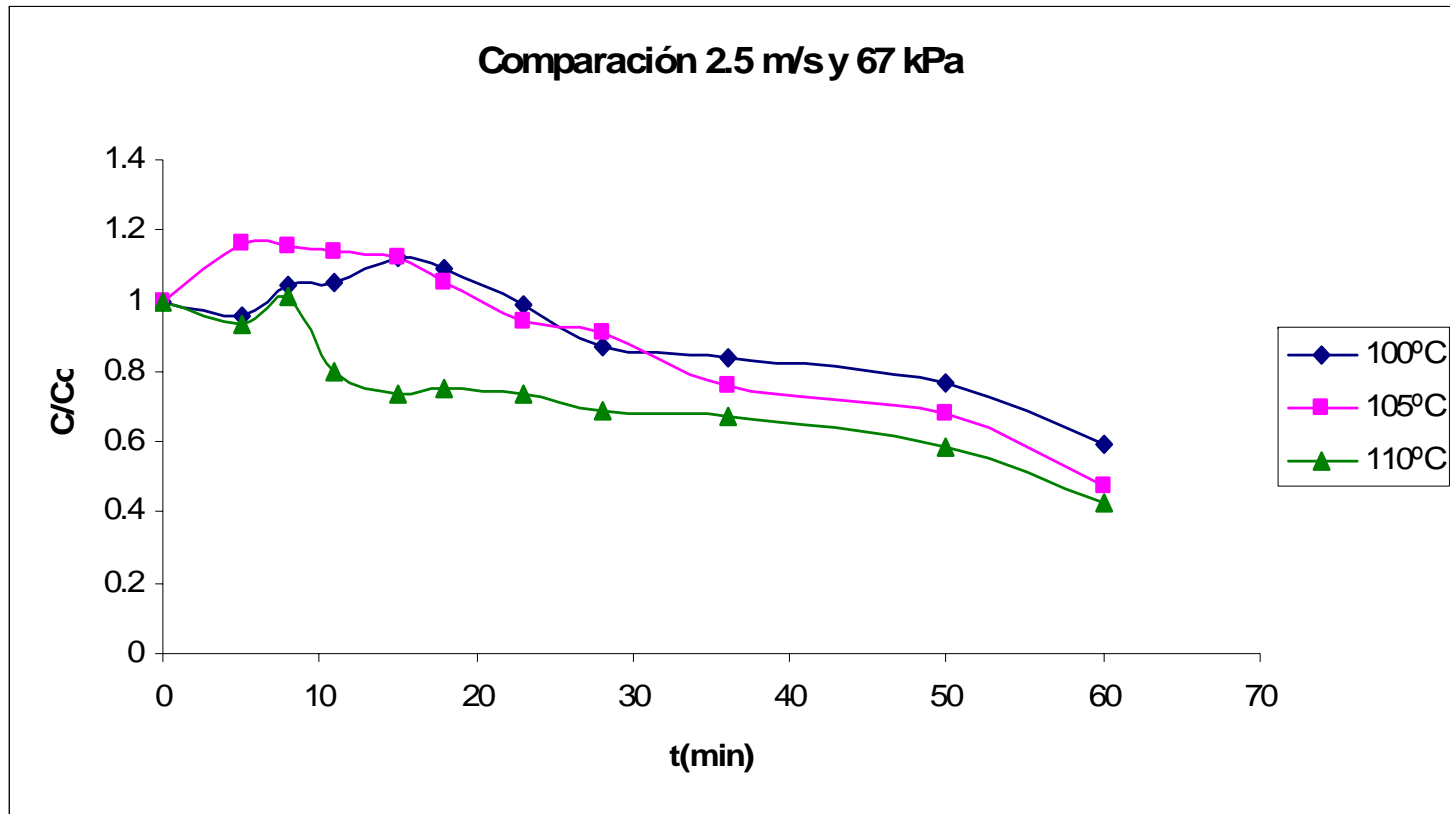


Figura C.79 Comparación de curvas normalizadas de secado.

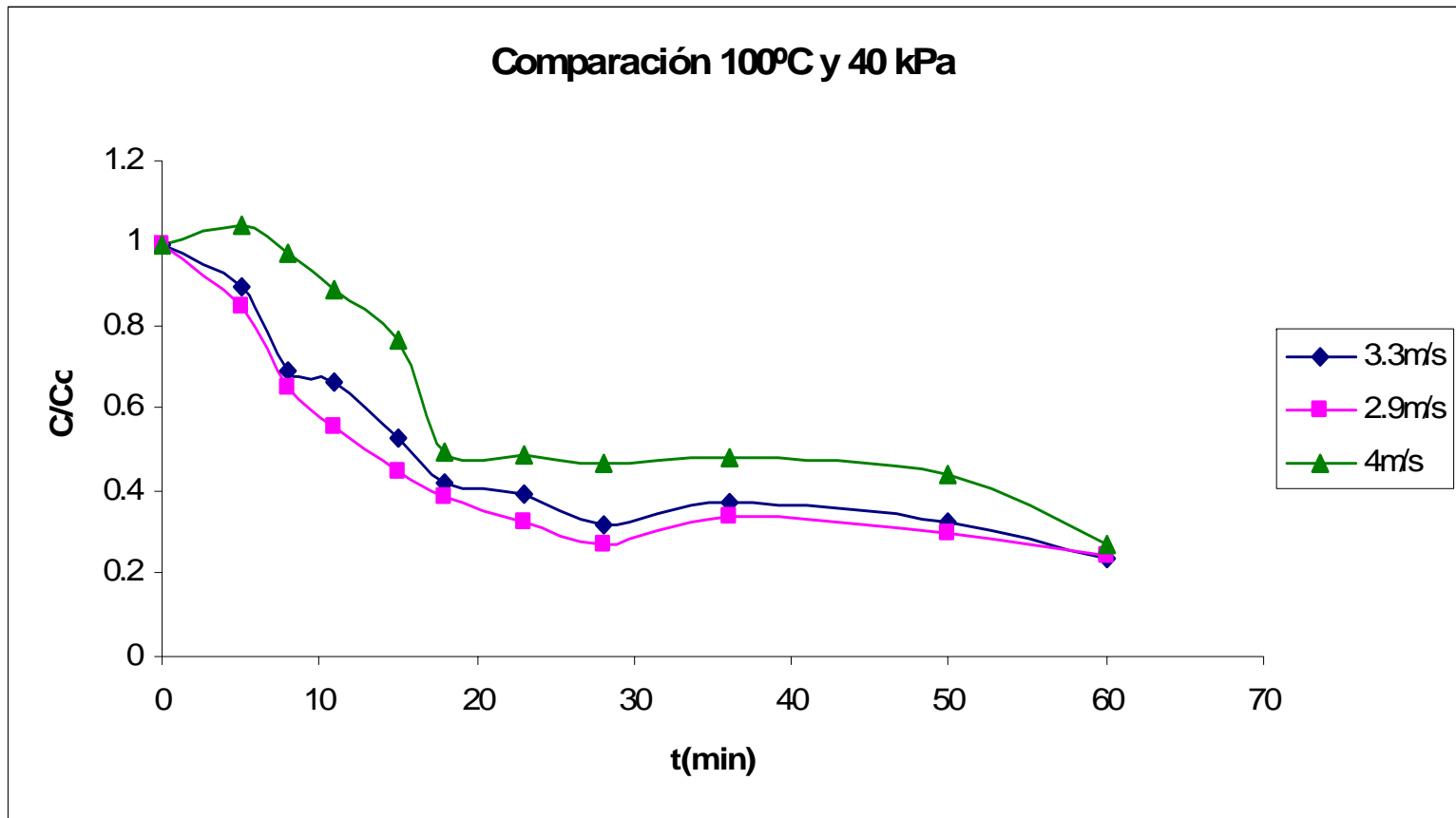


Figura C.80 Comparación de curvas normalizadas de secado.

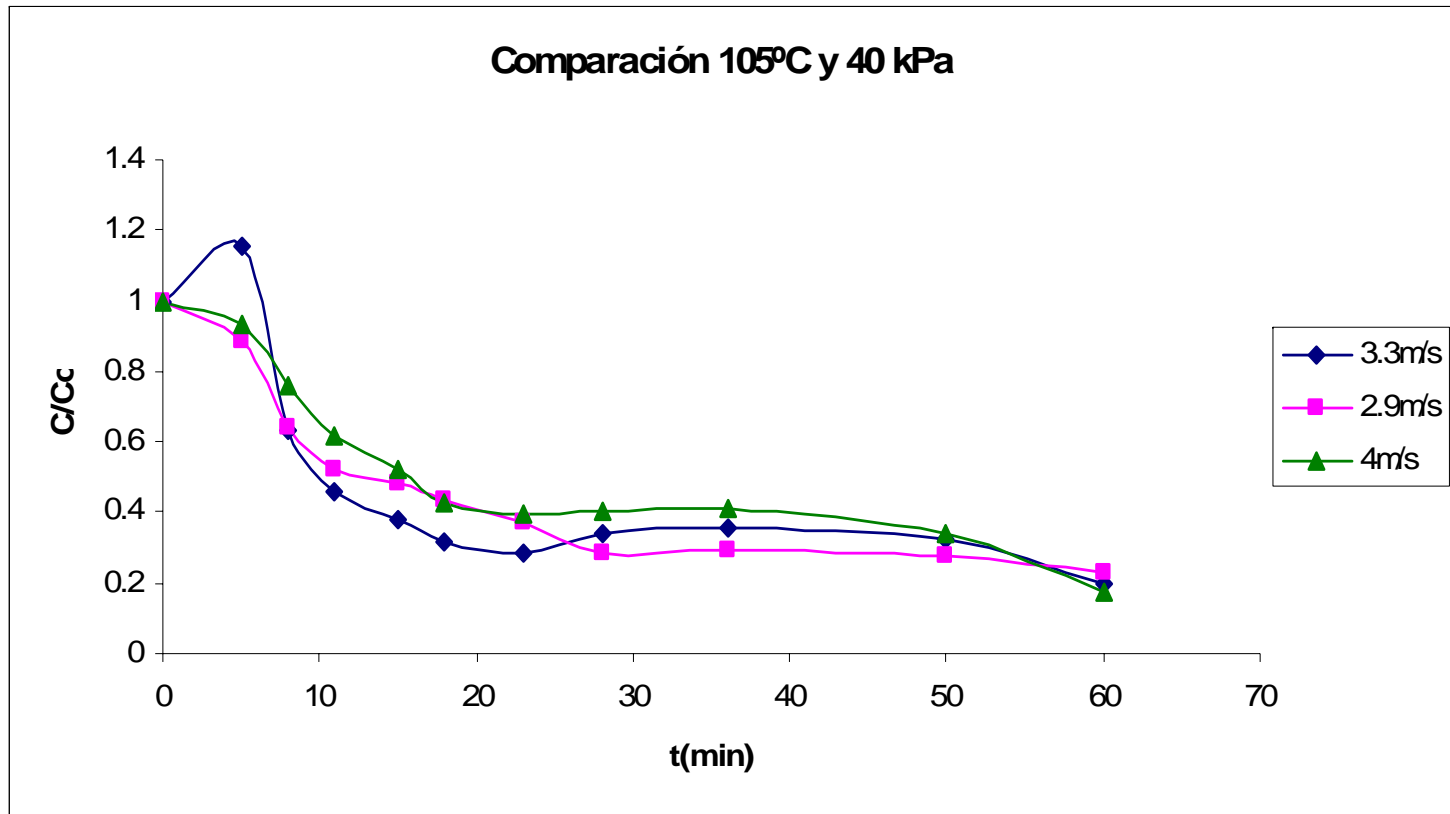


Figura C.81 Comparación de curvas normalizadas de secado.

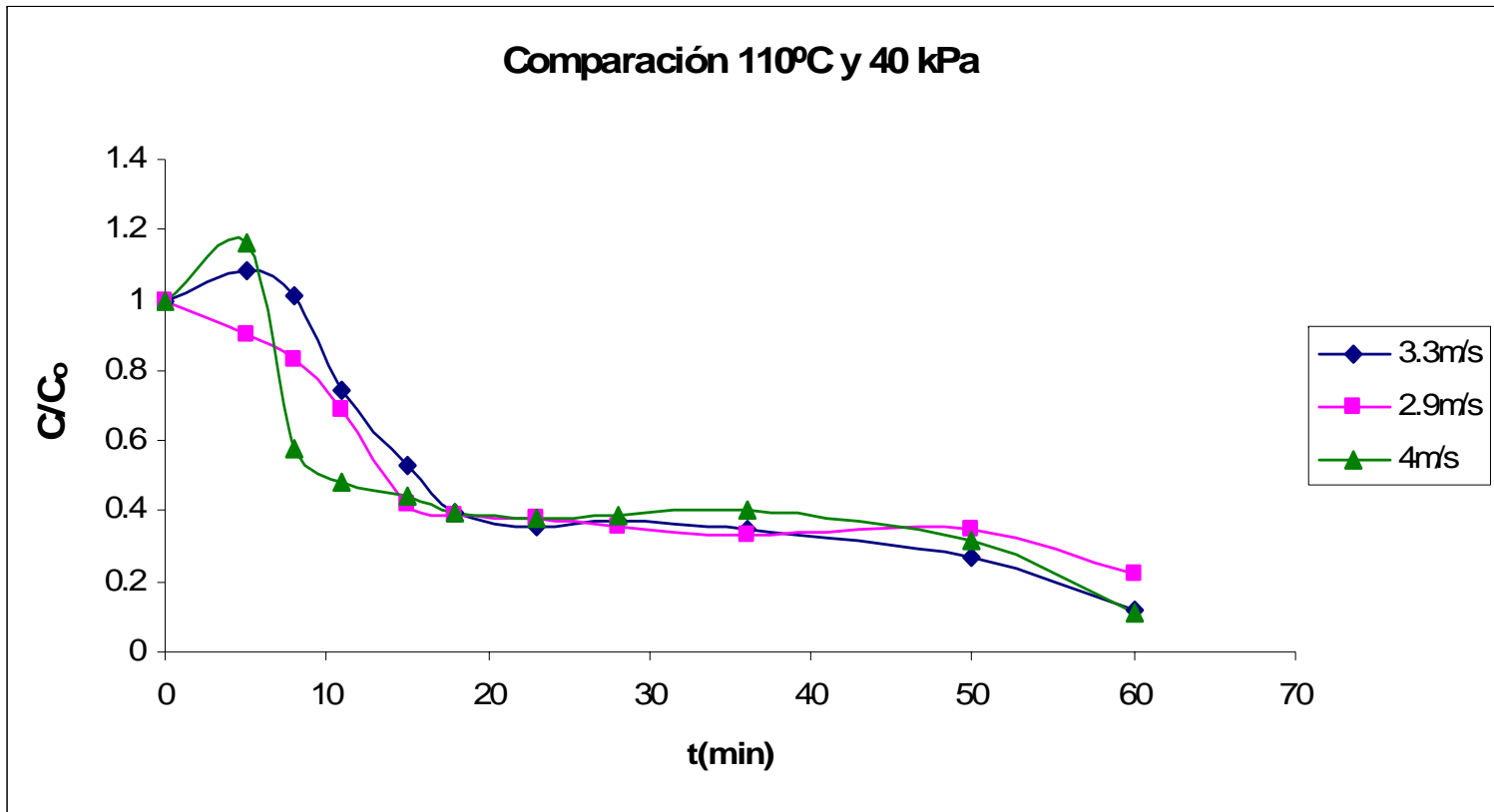


Figura C.82 Comparación de curvas normalizadas de secado.

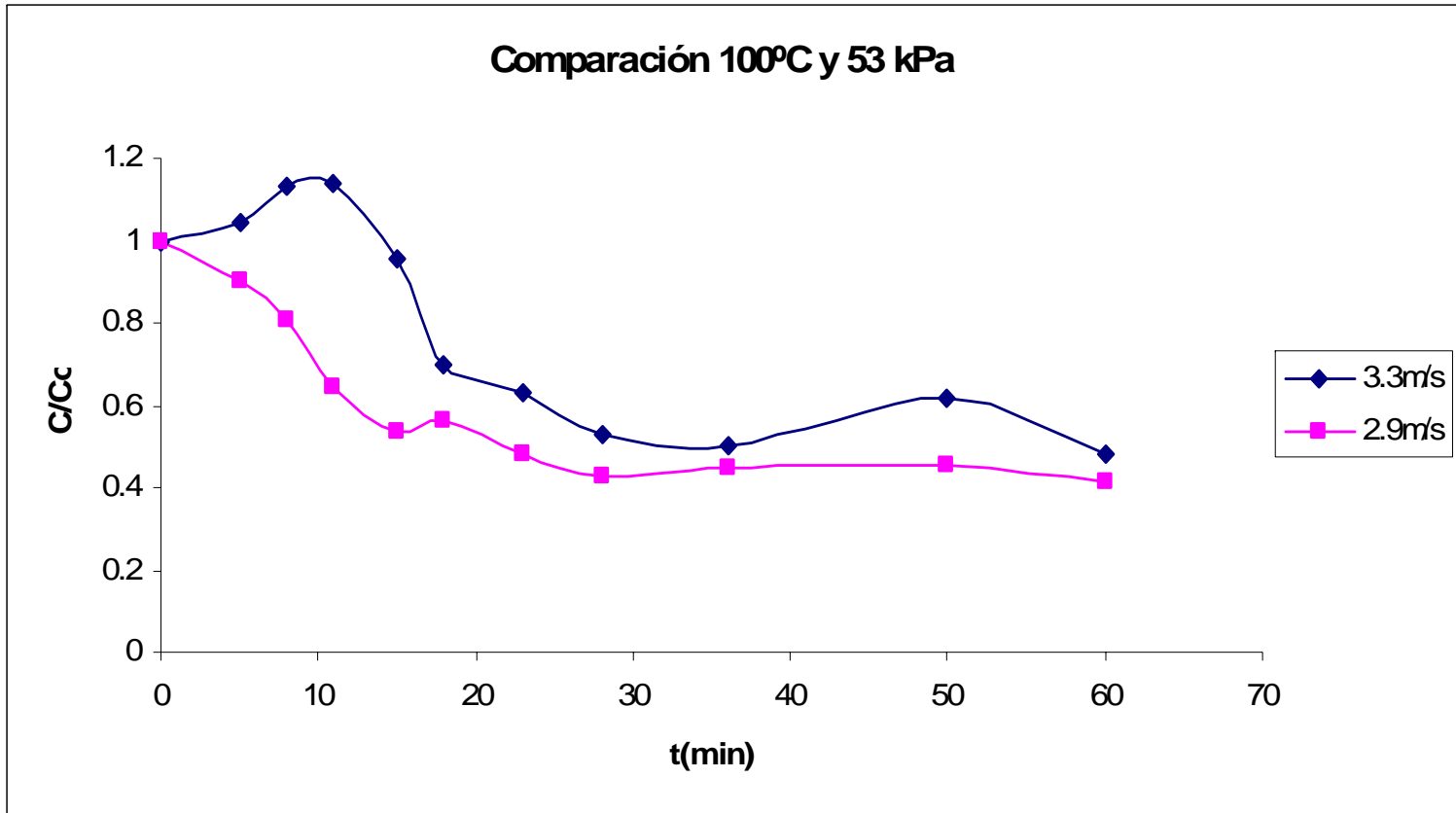


Figura C.83 Comparación de curvas normalizadas de secado.

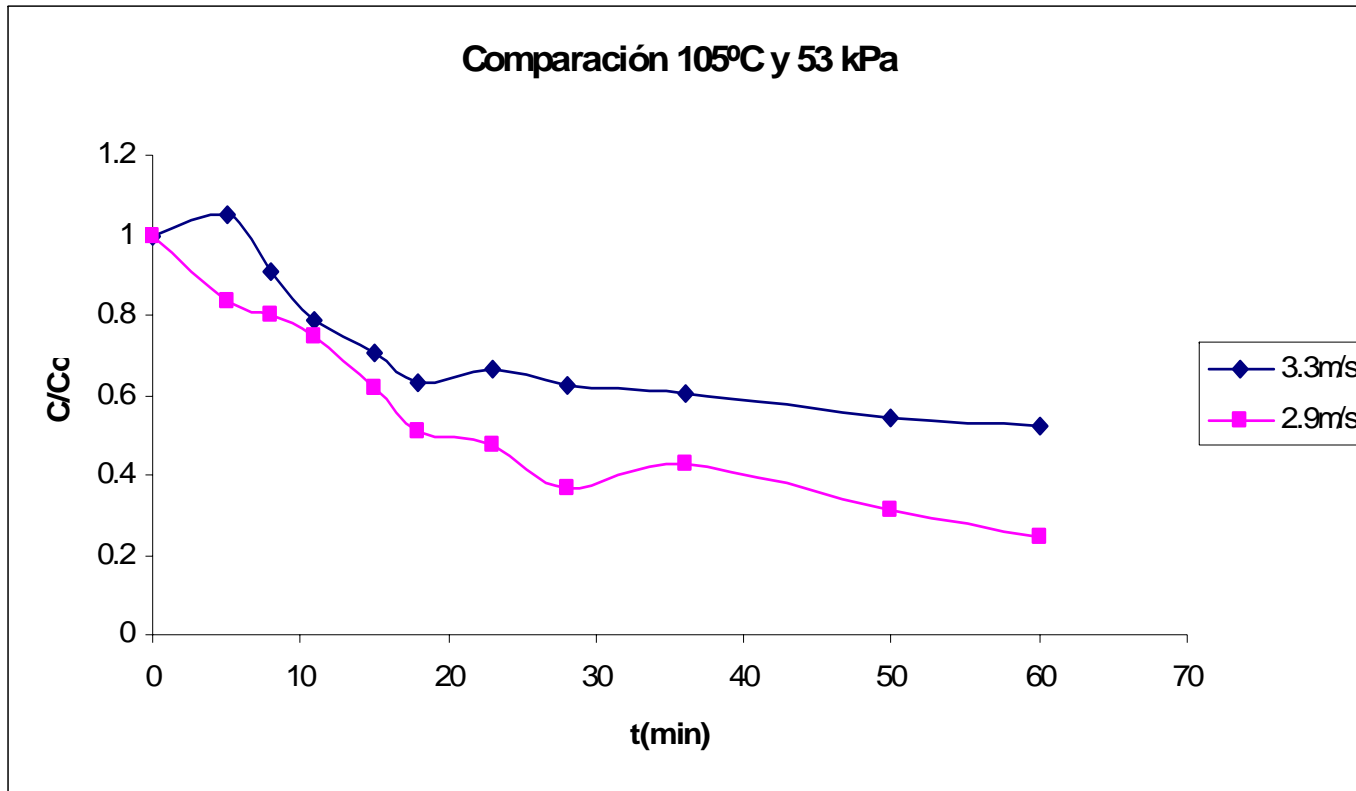


Figura C.84 Comparación de curvas normalizadas de secado.

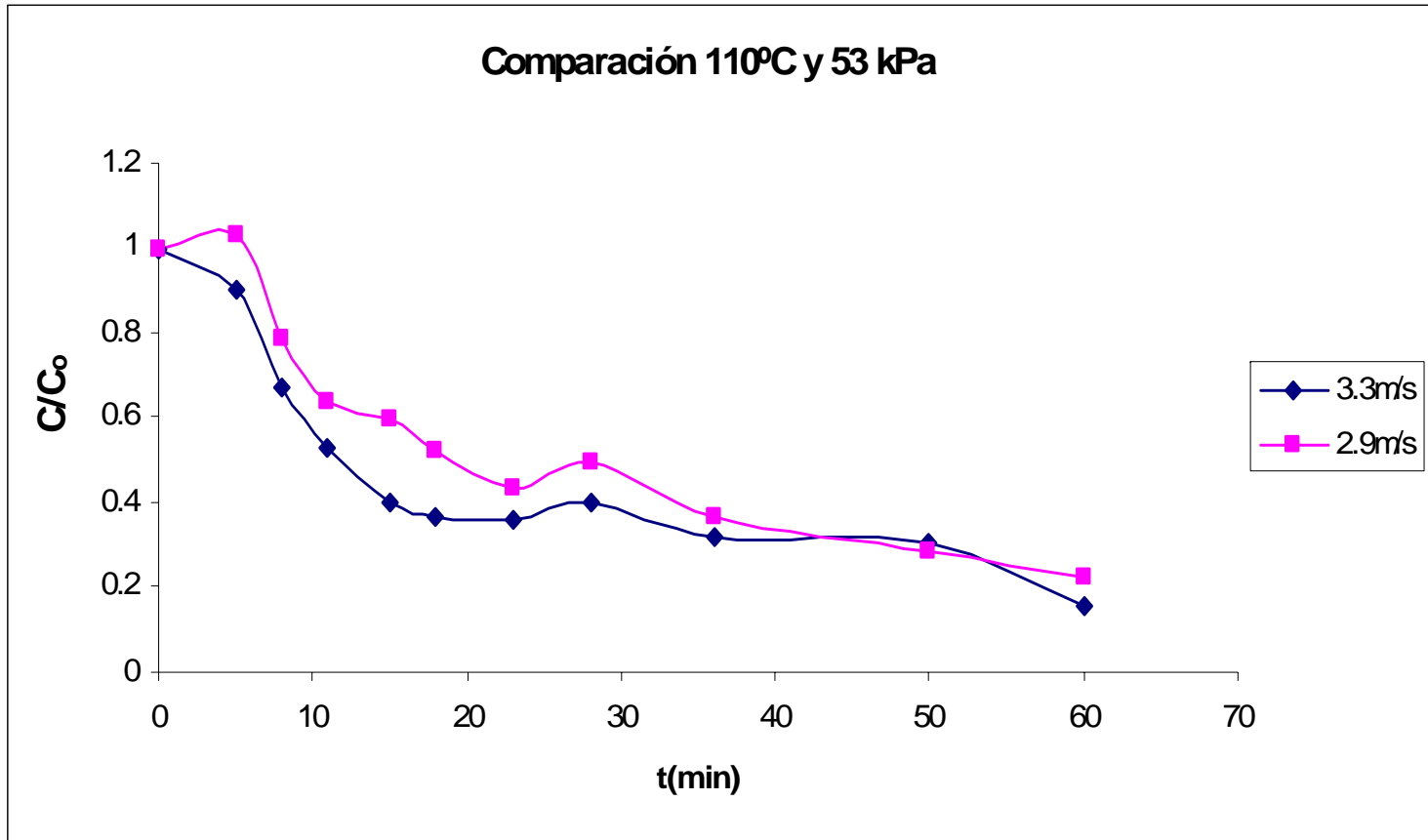


Figura C.85 Comparación de curvas normalizadas de secado.

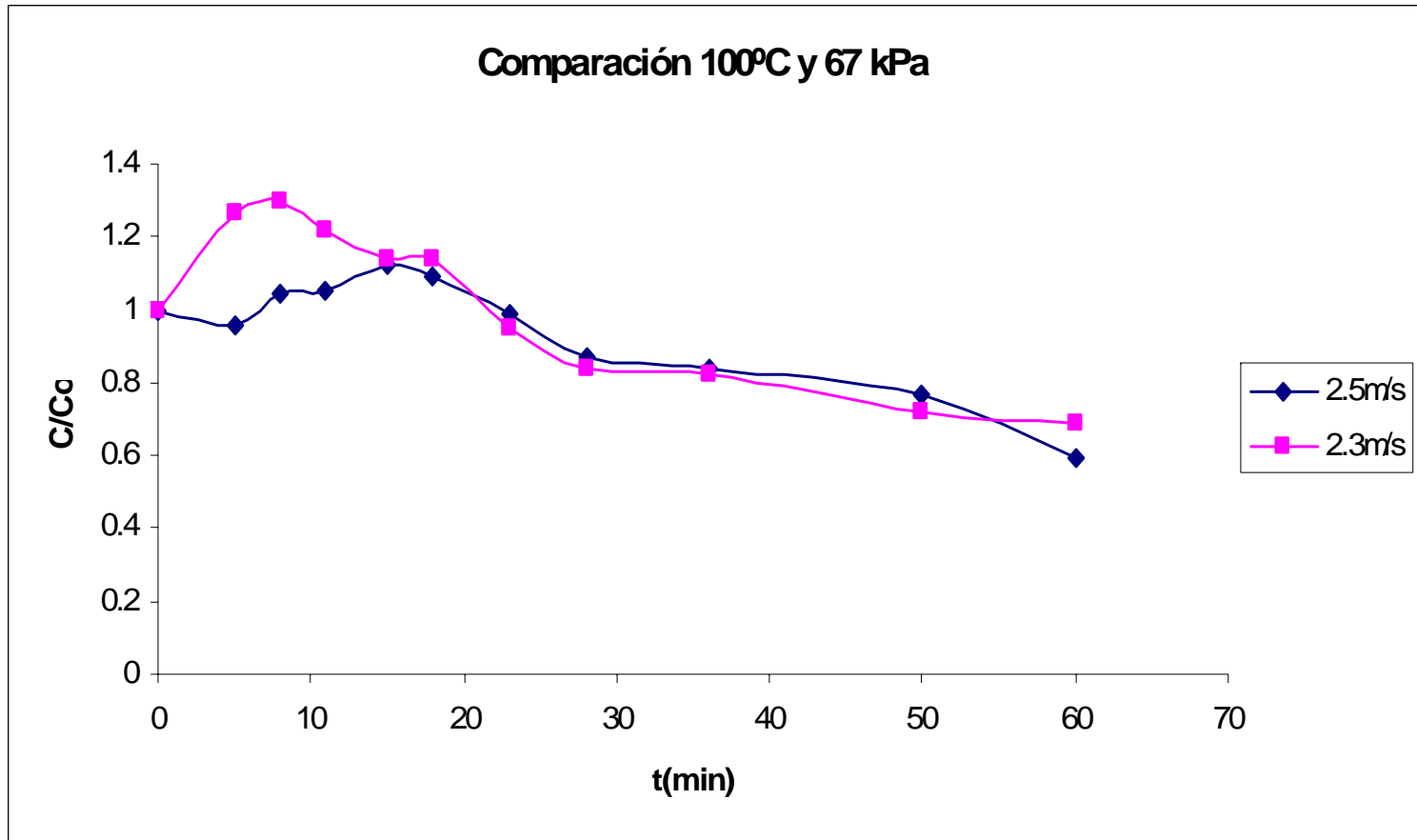


Figura C.86 Comparación de curvas normalizadas de secado.

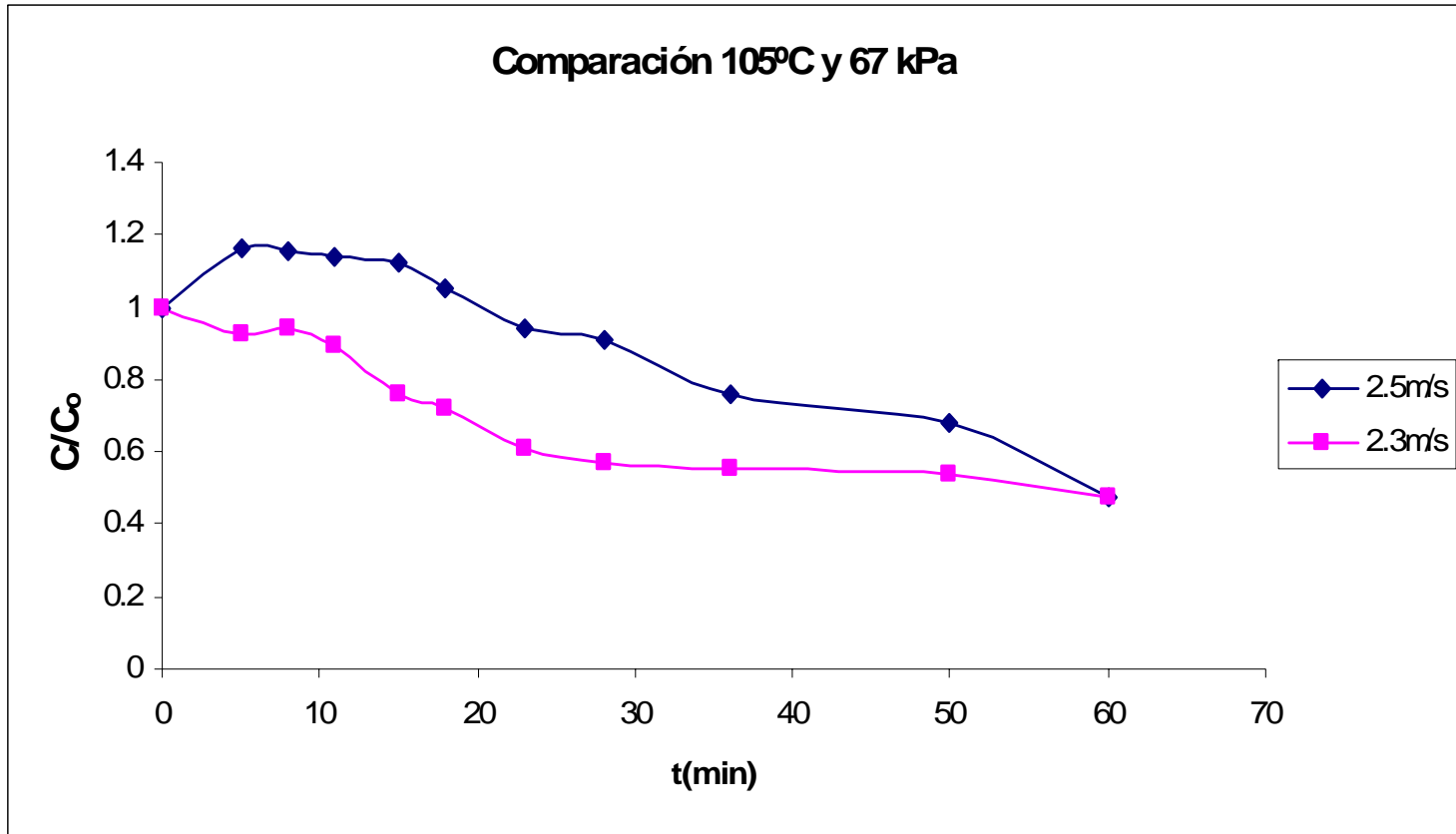


Figura C.87 Comparación de curvas normalizadas de secado.

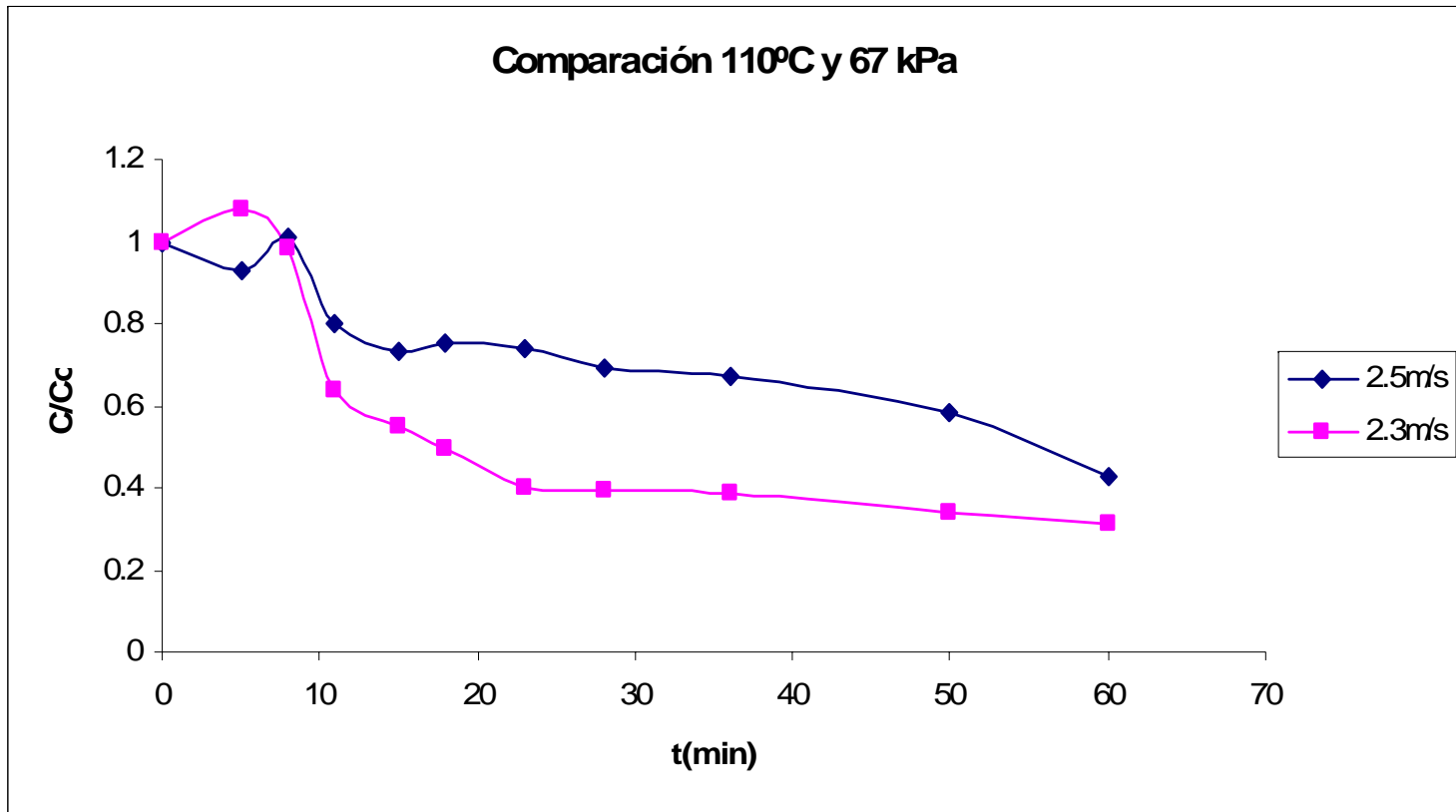


Figura C.88 Comparación de curvas normalizadas de secado.

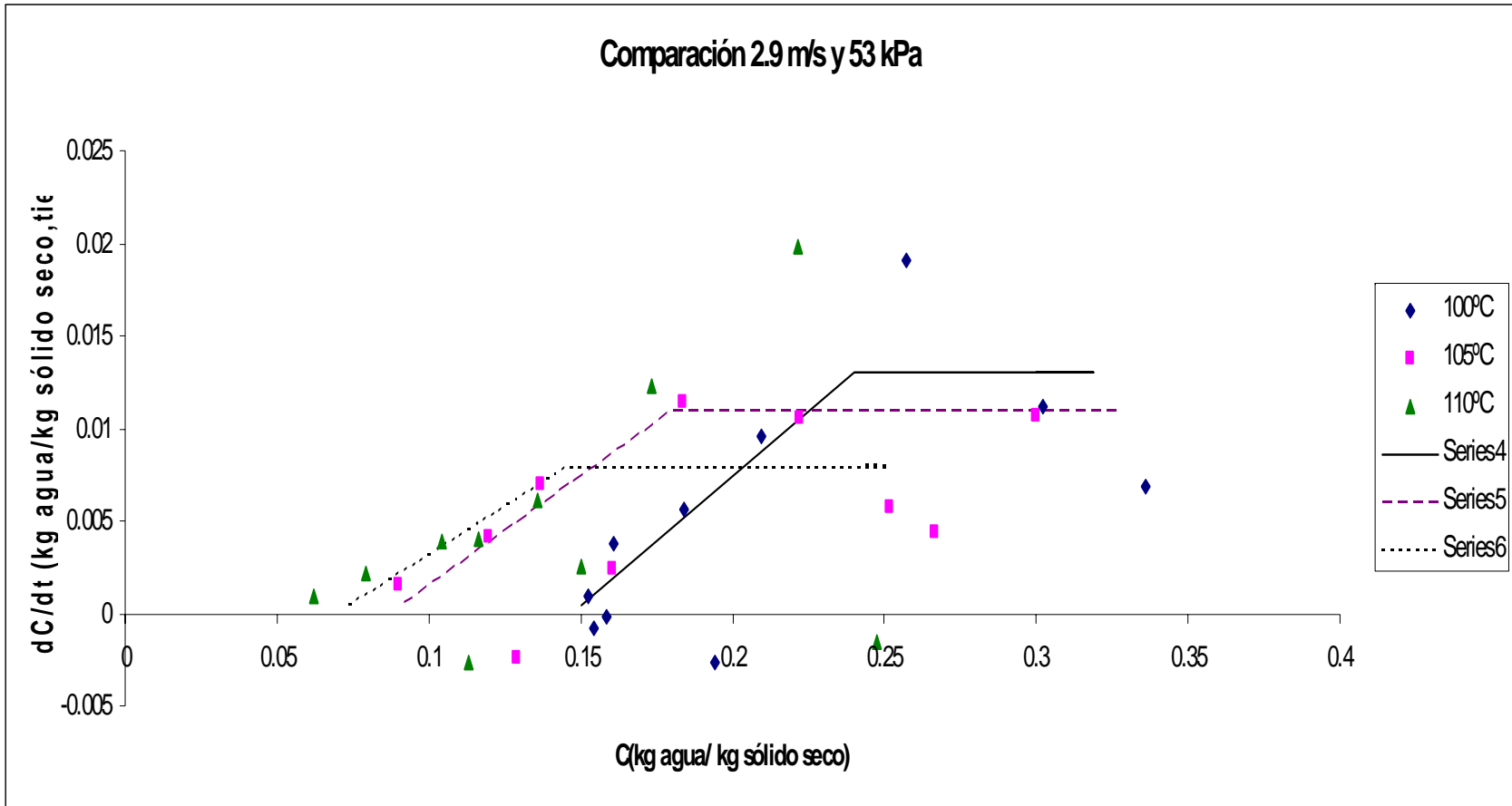


Figura C.89 Comparación de velocidades de secado.

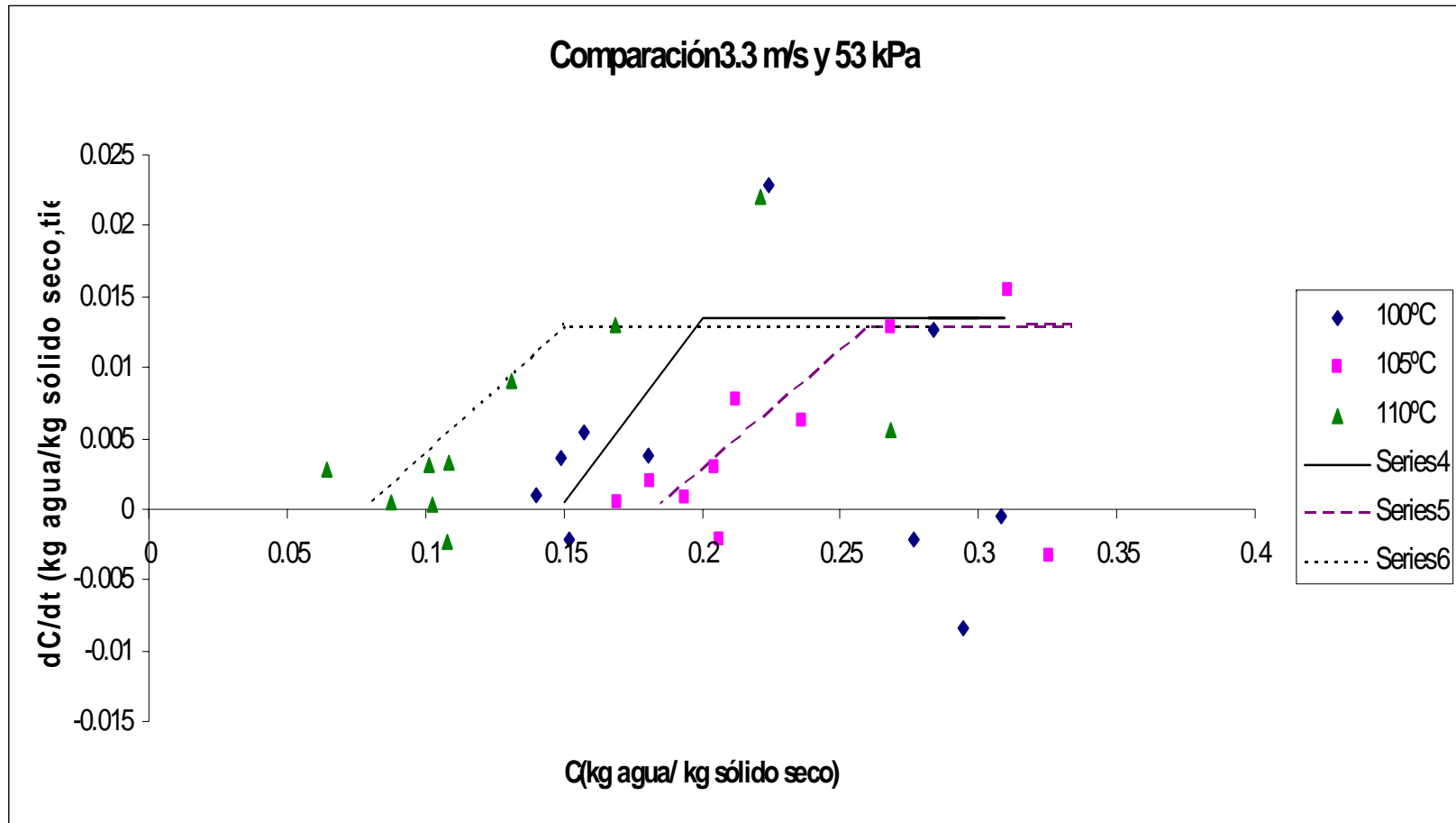


Figura C.90 Comparación de velocidades de secado.

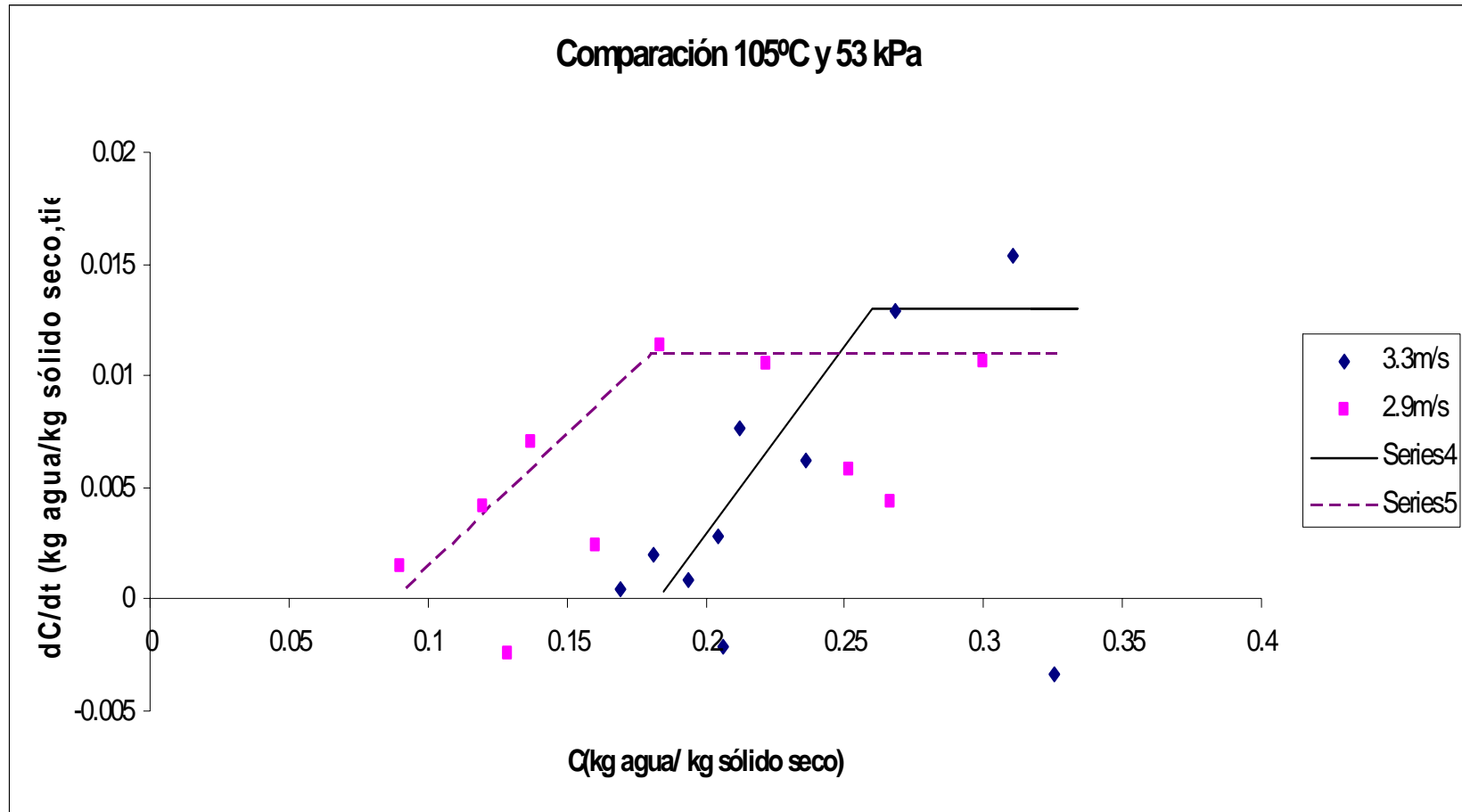


Figura C.91 Comparación de velocidades de secado.

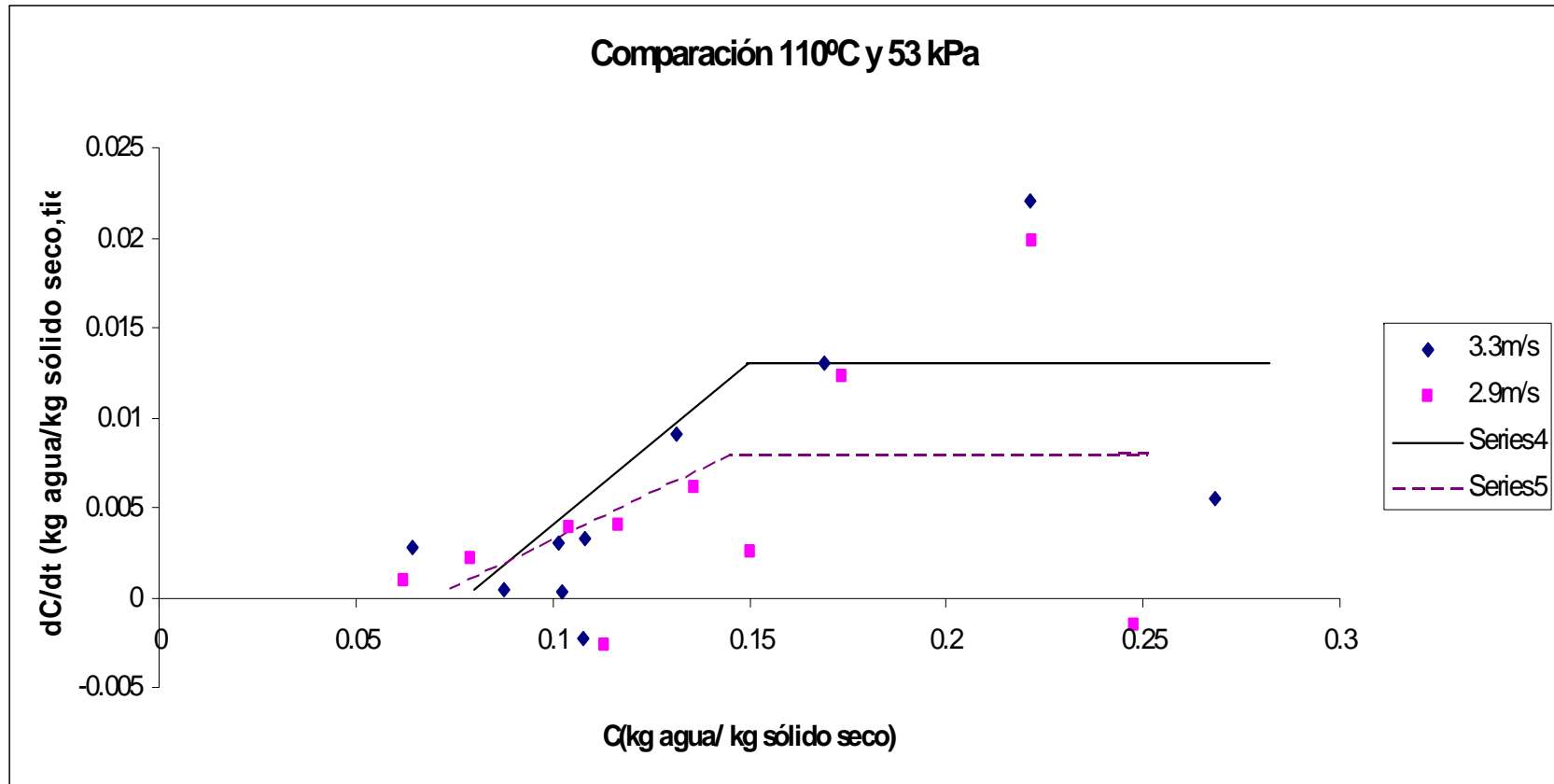


Figura C.92 Comparación de velocidades de secado.

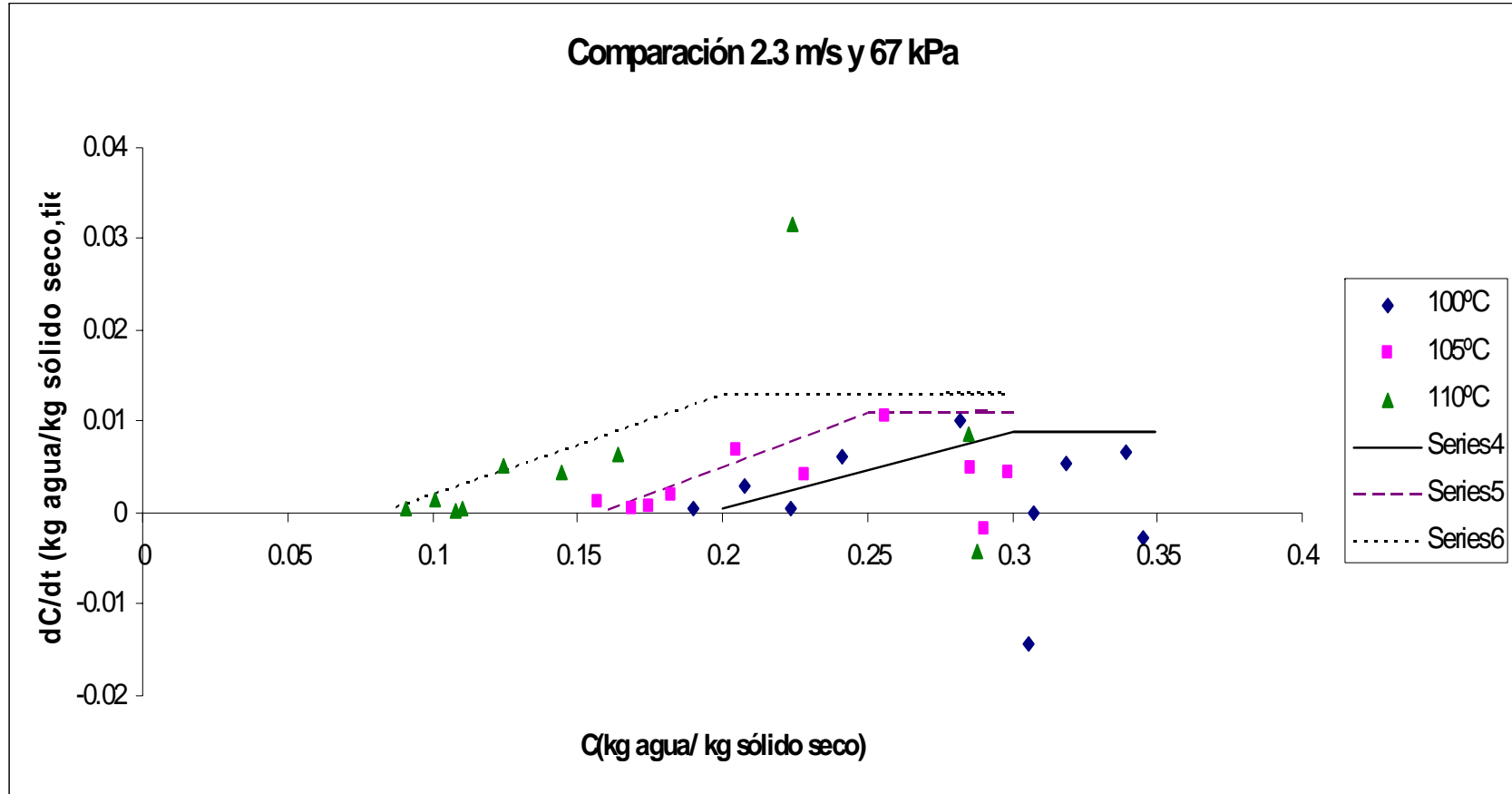


Figura C.93 Comparación de velocidades de secado.

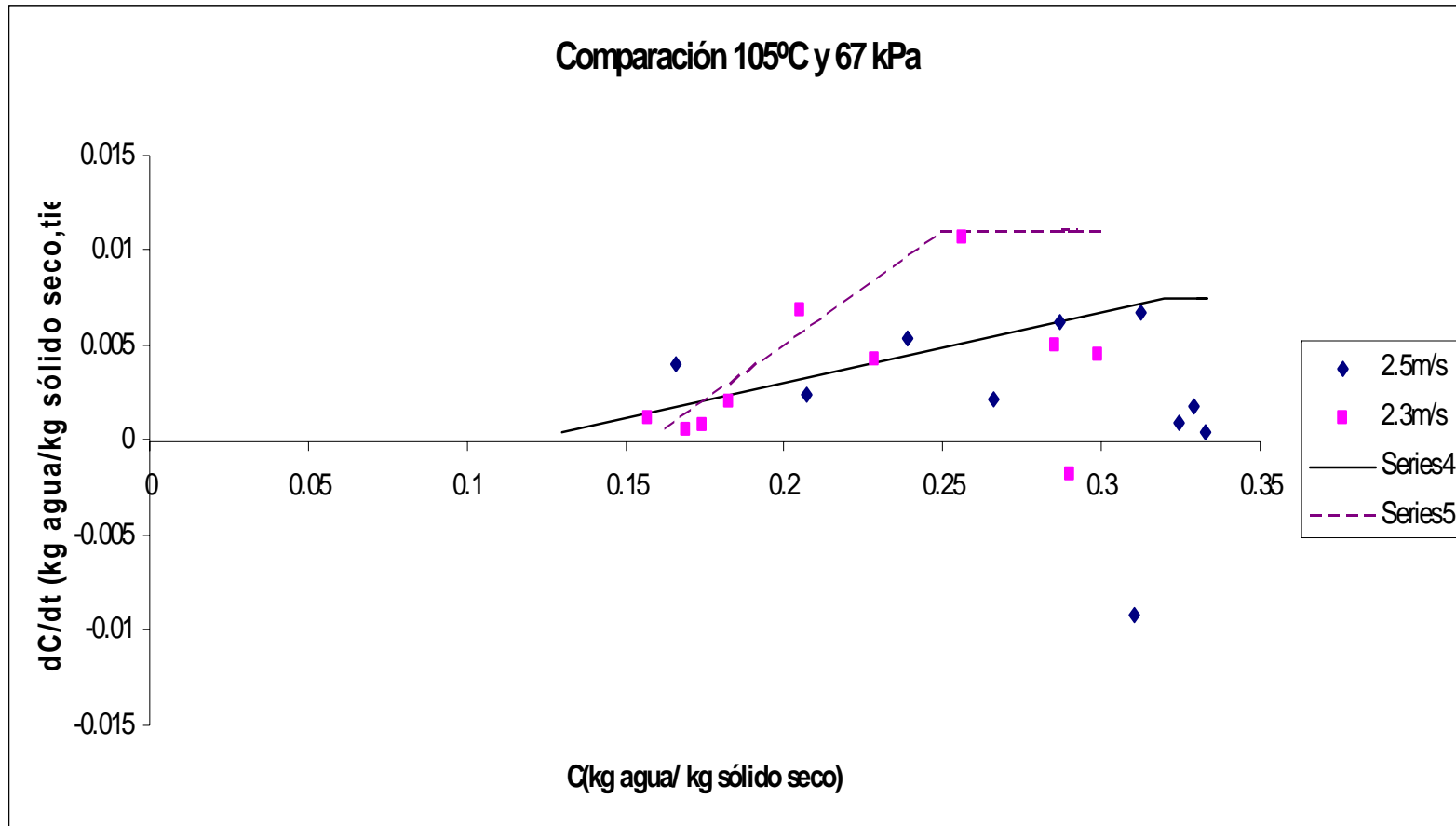


Figura C.94 Comparación de velocidades de secado.

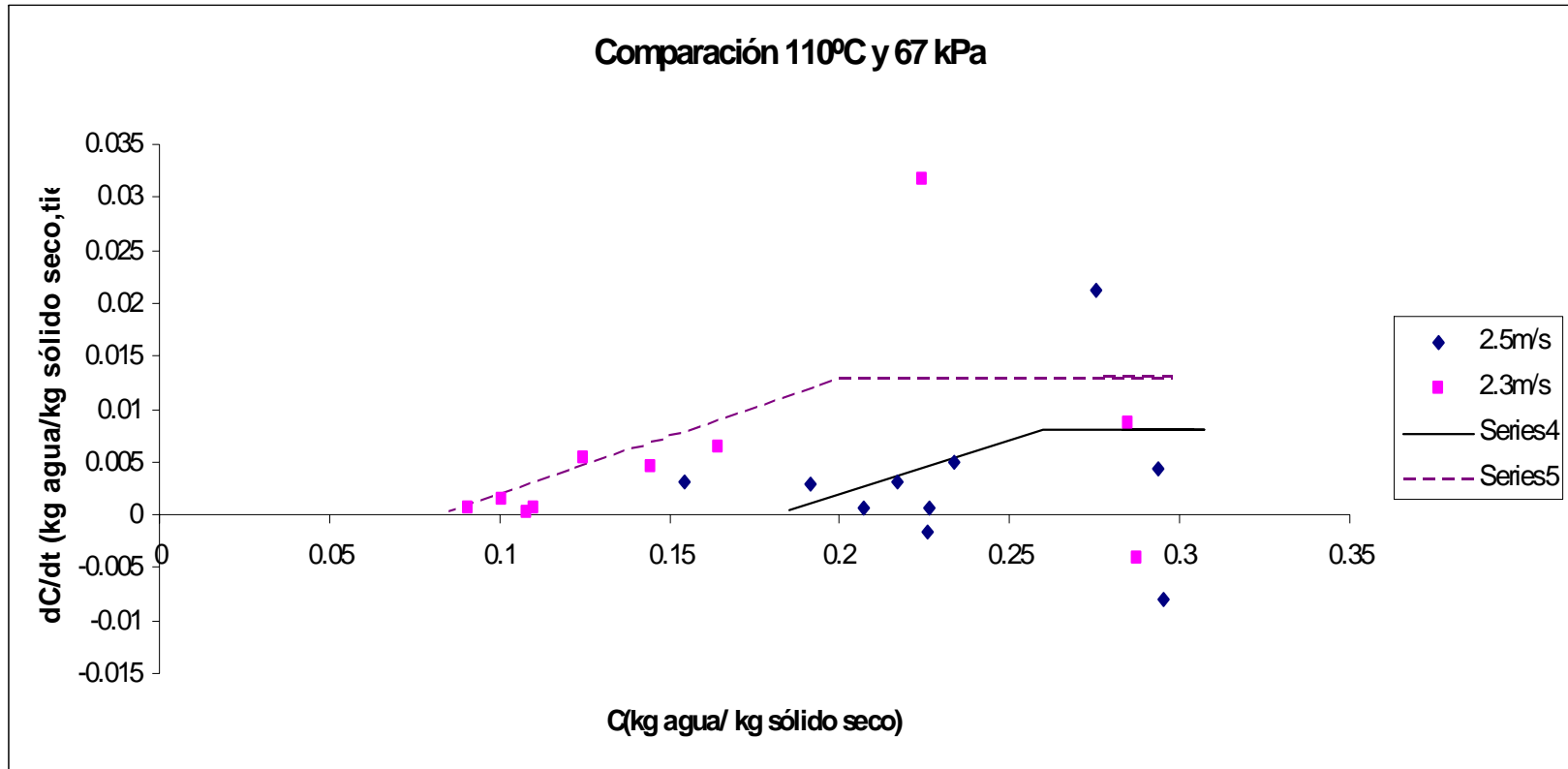


Figura C.95 Comparación de velocidades de secado.

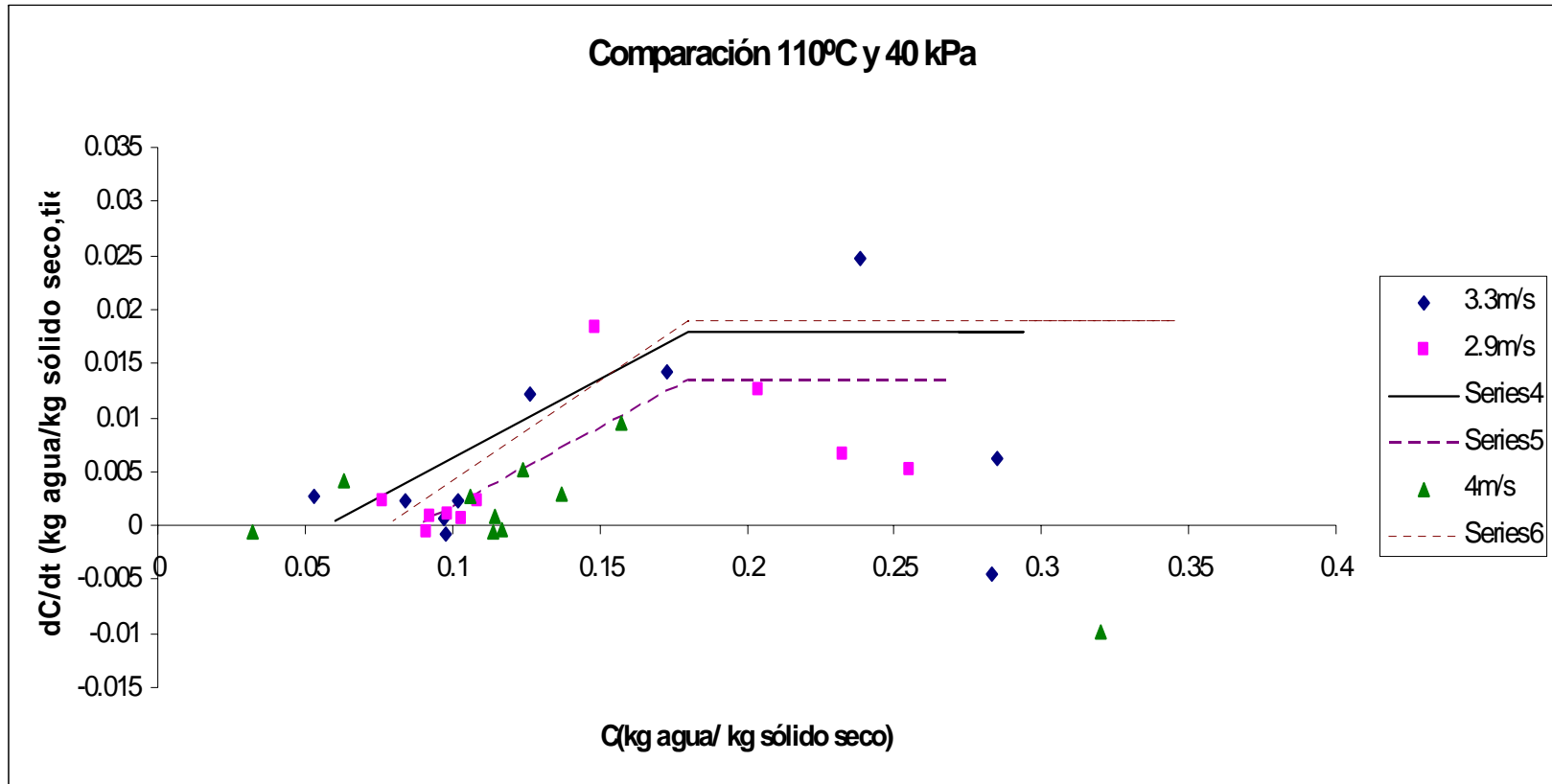


Figura C.96 Comparación de velocidades de secado.

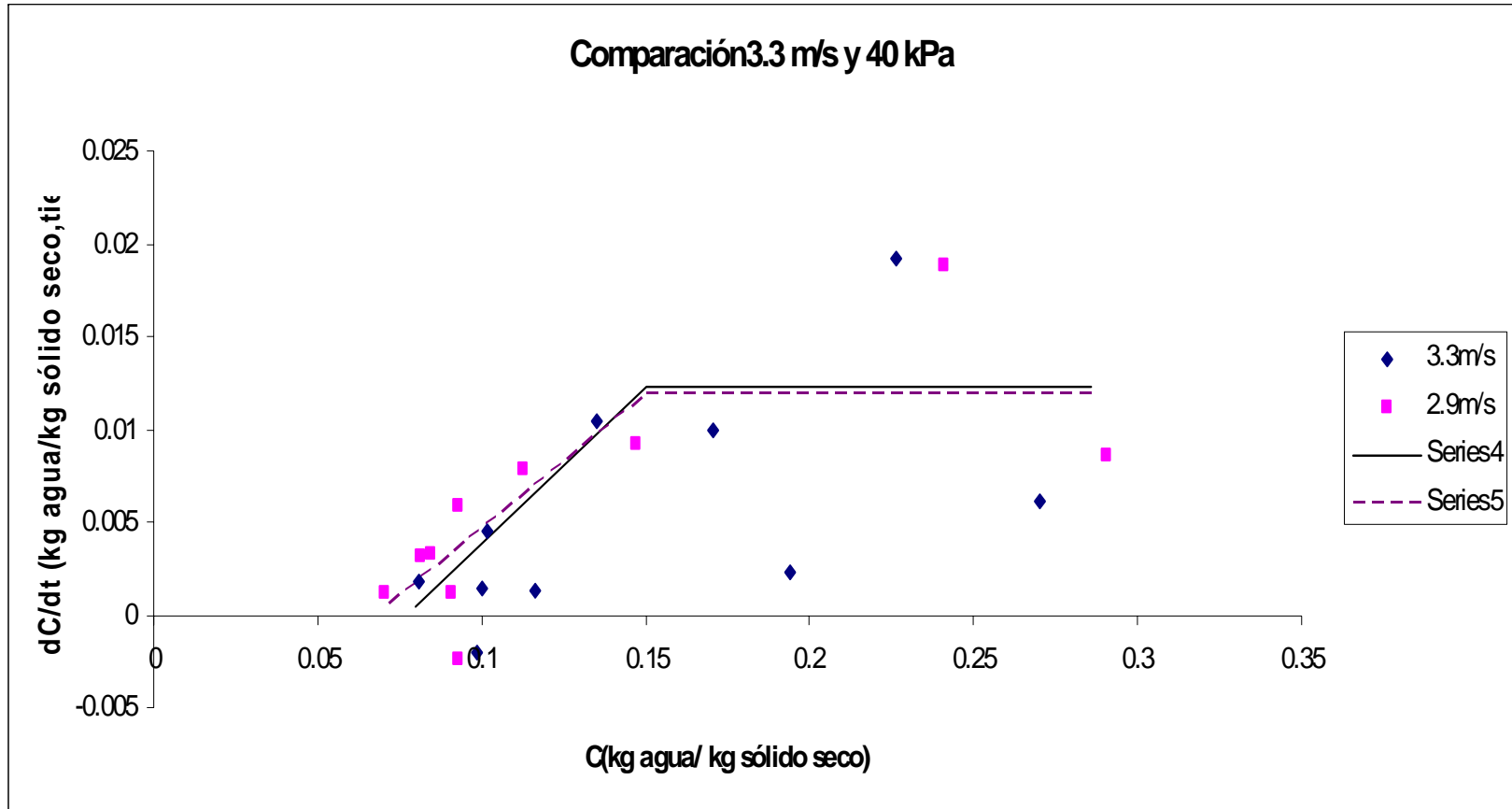


Figura C.97 Comparación de velocidades de secado.

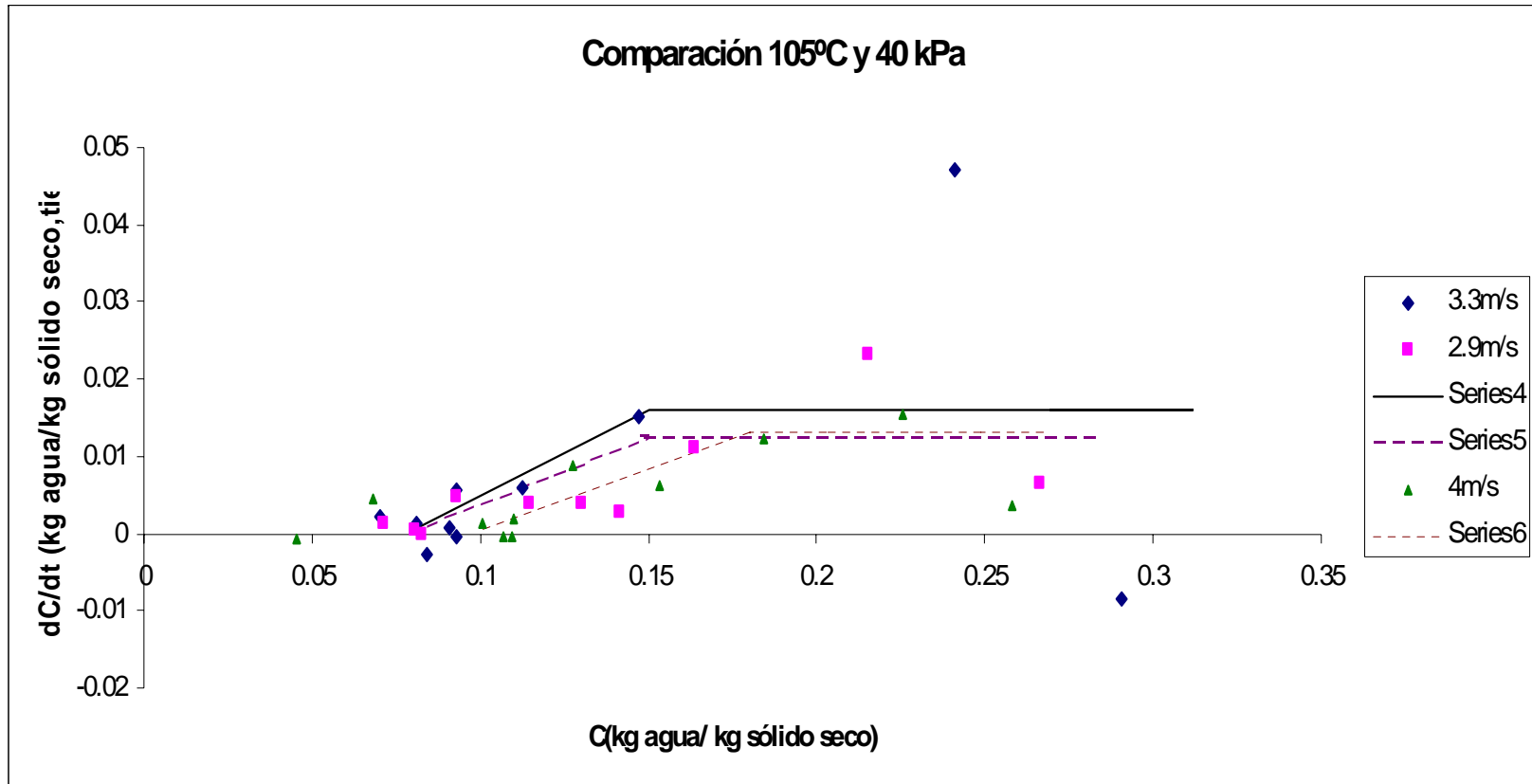


Figura C.98 Comparación de velocidades de secado.