

Apéndice D. Análisis estadístico de pérdida de actividad enzimática de la polifenoloxidasa en jugo de manzana almacenado 36 horas a 4°C.

Jugo de manzana versus Tiempo

| Factor | Type | Levels | Values |
|--------|-------|--------|----------------|
| Tiempo | fixed | 6 | 0 2 8 16 24 36 |

| Analysis of Variance for jugo de, using Adjusted SS for Tests | | | | | | |
|---------------------------------------------------------------|----|---------|---------|--------|--------|-------|
| Source | DF | Seq SS | Adj SS | Adj MS | F | P |
| Tiempo | 5 | 33877.1 | 33877.1 | 6775.4 | 270.86 | 0.000 |
| Error | 12 | 300.2 | 300.2 | 25.0 | | |
| Total | 17 | 34177.3 | | | | |

Tukey 95.0% Simultaneous Confidence Intervals
Response Variable jugo de
All Pairwise Comparisons among Levels of Tiempo

Tiempo = 0 subtracted from:

| Level | Difference | SE of | T-Value | Adjusted |
|--------|------------|------------|---------|----------|
| Tiempo | of Means | Difference | | P-Value |
| 2 | -11.3 | 4.084 | -2.77 | 0.1306 |
| 8 | -44.6 | 4.084 | -10.92 | 0.0000 |
| 16 | -73.8 | 4.084 | -18.06 | 0.0000 |
| 24 | -100.1 | 4.084 | -24.52 | 0.0000 |
| 36 | -117.6 | 4.084 | -28.79 | 0.0000 |

Tiempo = 2 subtracted from:

| Level | Difference | SE of | T-Value | Adjusted |
|--------|------------|------------|---------|----------|
| Tiempo | of Means | Difference | | P-Value |
| 8 | -33.3 | 4.084 | -8.15 | 0.0000 |
| 16 | -62.4 | 4.084 | -15.29 | 0.0000 |
| 24 | -88.8 | 4.084 | -21.75 | 0.0000 |
| 36 | -106.2 | 4.084 | -26.02 | 0.0000 |

Tiempo = 8 subtracted from:

| Level | Difference | SE of | T-Value | Adjusted |
|--------|------------|------------|---------|----------|
| Tiempo | of Means | Difference | | P-Value |
| 16 | -29.16 | 4.084 | -7.14 | 0.0001 |
| 24 | -55.52 | 4.084 | -13.60 | 0.0000 |
| 36 | -72.96 | 4.084 | -17.87 | 0.0000 |

Tiempo = 16 subtracted from:

| Level | Difference | SE of | T-Value | Adjusted |
|--------|------------|------------|---------|----------|
| Tiempo | of Means | Difference | | P-Value |
| 24 | -26.36 | 4.084 | -6.45 | 0.0004 |
| 36 | -43.80 | 4.084 | -10.73 | 0.0000 |

Tiempo = 24 subtracted from:

| Level | Difference | SE of | T-Value | Adjusted |
|--------|------------|------------|---------|----------|
| Tiempo | of Means | Difference | | P-Value |
| 36 | -17.44 | 4.084 | -4.271 | 0.0108 |

Análisis estadístico de pérdida de actividad enzimática de la polifenoloxidasas en jugo de manzana y sistema modelo a pH 3.6 almacenados a 4°C.

Actividad enzimática versus Tiempo de almacenamiento, sistema modelo

| Factor | Type | Levels | Values |
|---------|-------|--------|--------|
| Tiempo. | fixed | 3 | 0 8 24 |
| sistema | fixed | 2 | 1 2 |

| Analysis of Variance for Act. enz, using Adjusted SS for Tests | | | | | | |
|----------------------------------------------------------------|----|---------|---------|--------|--------|-------|
| Source | DF | Seq SS | Adj SS | Adj MS | F | P |
| Tiempo. | 2 | 19037.2 | 19037.2 | 9518.6 | 159.61 | 0.000 |
| sistema | 1 | 1773.7 | 1773.7 | 1773.7 | 29.74 | 0.000 |
| Tiempo.*sistema | 2 | 1378.2 | 1378.2 | 689.1 | 11.56 | 0.002 |
| Error | 12 | 715.6 | 715.6 | 59.6 | | |
| Total | 17 | 22904.6 | | | | |

Tukey 95.0% Simultaneous Confidence Intervals

Response Variable Act. enz

All Pairwise Comparisons among Levels of Tiempo.*sistema

Tiempo. = 0

sistema = 1 subtracted from:

| Level | | Difference | SE of | Adjusted |
|-----------------|---|------------|------------|----------|
| Tiempo.*sistema | | of Means | Difference | P-Value |
| 0 | 2 | -3.1 | 6.305 | 0.9957 |
| 8 | 1 | -35.2 | 6.305 | 0.0013 |
| 8 | 2 | -47.7 | 6.305 | 0.0001 |
| 24 | 1 | -59.2 | 6.305 | 0.0000 |
| 24 | 2 | -103.2 | 6.305 | 0.0000 |

Tiempo. = 0

sistema = 2 subtracted from:

| Level | | Difference | SE of | Adjusted |
|-----------------|---|------------|------------|----------|
| Tiempo.*sistema | | of Means | Difference | P-Value |
| 8 | 1 | -32.1 | 6.305 | 0.0028 |
| 8 | 2 | -44.6 | 6.305 | 0.0002 |
| 24 | 1 | -56.1 | 6.305 | 0.0000 |
| 24 | 2 | -100.1 | 6.305 | 0.0000 |

Tiempo. = 8

sistema = 1 subtracted from:

| Level | | Difference | SE of | Adjusted |
|-----------------|---|------------|------------|----------|
| Tiempo.*sistema | | of Means | Difference | P-Value |
| 8 | 2 | -12.48 | 6.305 | 0.4057 |
| 24 | 1 | -24.00 | 6.305 | 0.0235 |
| 24 | 2 | -68.00 | 6.305 | 0.0000 |

Tiempo. = 8

sistema = 2 subtracted from:

| Level | | Difference | SE of | Adjusted |
|-----------------|---|------------|------------|----------|
| Tiempo.*sistema | | of Means | Difference | P-Value |
| 24 | 1 | -11.52 | 6.305 | 0.4853 |
| 24 | 2 | -55.52 | 6.305 | 0.0000 |

Tiempo. = 24

sistema = 1 subtracted from:

| Level | | Difference | SE of | Adjusted |
|-----------------|---|------------|------------|----------|
| Tiempo.*sistema | | of Means | Difference | P-Value |
| 24 | 2 | -44.00 | 6.305 | 0.0002 |