

**Figura 1 Chile Ancho y Chile Pasilla (*Capsicum annuum L*.)**

Cuadro1 Relación de tratamientos del experimento.

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| --- | --- |
| **Carotenos** | **Tratamiento**  |
|  | **T1****(CA)** | **T2****(SL)** | **T3****(CC)** | **T4****(CE)** | **T5****(CP)** | **T6****(PF)** |  **T7** **(PC)** | **T8****(PE)** |
| β -caroteno |  |  |  |  |  |  |  |  |
| α-caroteno |  |  |  |  |  |  |  |  |
| β-cripoxantina |  |  |  |  |  |  |  |  |
| α-criptoxantina |  |  |  |  |  |  |  |  |
| trans-β-apo-8-carotenal |  |  |  |  |  |  |  |  |
| zeaxantina |  |  |  |  |  |  |  |  |
| cis-zeaxantina |  |  |  |  |  |  |  |  |
| luteina |  |  |  |  |  |  |  |  |
| luteoxantina |  |  |  |  |  |  |  |  |
| astaxantina |  |  |  |  |  |  |  |  |
| violaxantina |  |  |  |  |  |  |  |  |
| neoxantina |  |  |  |  |  |  |  |  |



**Figura 2 Cromatograma de Carotenoides a 450 nm.**



**Figura 3 Cromatograma del chile ancho a 450 nm.** A) β-Caroteno, B) α-Caroteno, C) β-Criptoxantina E) trans-β-Apo-8-carotenal, I) Luteoxantina, J) Astaxantina, K) Violaxantina y L) Neoxantina.

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**Figura 4 Cromatograma de chile pasilla a 450 nm** A) β-Caroteno, E) trans-β-Apo-8-carotenal, F) zeaxantina, G) cis-Zeaxantina K) Violaxantina.

**Cuadro 2 Perfil de carotenoides en cada tratamiento.**

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| --- | --- |
| Carotenos | Tratamiento  |
|  | **T1****(CA)** | **T2****(SL)** | **T3****(CC)** | **T4****(CE)** | **T5****(CP)** | **T6****(PF)** | **T7****(PC)** | **T8****(PE)** |
| β -Caroteno | 4.67a | 4.62a | 4.67a | 4.58a | 0d | 4.09c | 4.20cb | 4.52ab |
| α-Caroteno | 5.57ab | 5.71a | 5.16b | 5.54ab | 0c | 0c | 0c | 0c |
| β-Cripoxantina | 8.20a | 8.19a | 8.22a | 8.18a | 0b | 0b | 0b | 0b |
| α-Criptoxantina | 8.81bc | 8.87ab | 8.93a | 8.91ab | 0d | 8.73c | 0d | 0d |
| trans-β-Apo-8-carotenal | 9.38a | 9.71a | 9.51a | 9.44a | 9.47a | 9.46a | 9.51a | 0b |
| zeaxantina | 0c | 0c | 0c | 0c | 12.22b | 12.39ab | 12.48a | 12.38ab |
| cis-Zeaxantina | 0b | 0b | 0b | 0b | 12.44a | 12.43a | 12.46a | 12.70a |
| Luteina | 17.43a | 17.43a | 0b | 0b | 17.45a | 0b | 0b | 0b |
| Luteoxantina | 0b | 0b | 0b | 0b | 18.39ab | 18.33a | 0b | 0b |
| Astaxantina | 19.54a | 0b | 0b | 0b | 0a | 0b | 0b | 0b |
| Violaxantina | 20.72a | 0c | 20.39b | 0c | 20.39b | 0b | 0b | 0b |
| Neoxantina | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Suma %Area | 94.32 | 54.53 | 56.88 | 36.65 | 90.36 | 43.15 | 24.94 | 25.08 |

**\***a, b, c medias con diferentes letras en el mismo renglón son significativamente diferentes (p≤0.05). **\***Diferencias entre tratamientos. (T1) Control chile ancho CA, Marca San Lázaro SL (T2), calidad comercial ancho CC (T3) y calidad extra ancho (CE) (T4), control chile pasilla CP (T5), marca San Lázaro pasilla PF (T6), calidad comercial pasilla PC (T7), calidad extra pasilla PE (T8).