**S1\_Data set for natural contamination**

Inactivation natural Total Aerobic Mesophylic Bacteria data set

Data for two repetitions per treatment time (log cfu/mL)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 250 MPa | | 400 MPa | |
| Treatment time (min) | Repetition1 | Repetition 2 | Repetition1 | Repetition 2 |
| 0,0 | 7,822495 | 7,781755 |  |  |
| 0,0 |  |  |  |  |
| 5,0 | 7,552060 | 7,876795 |  |  |
| 5,0 |  |  |  |  |
| 7,5 | 7,801061 | 8,130012 |  |  |
| 7,5 |  |  |  |  |
| 11,0 | 7,586024 | 7,643206 |  |  |
| 11,0 |  |  |  |  |
| 15,0 | 7,729974 | 7,625312 |  |  |
| 15,0 |  |  |  |  |
| 0,0 |  |  | 7,822495 | 7,781755 |
| 0,0 |  |  |  |  |
| 2,5 |  |  | 7,513217 | 7,492760 |
| 2,5 |  |  |  |  |
| 5,0 |  |  | 7,501744 | 7,434569 |
| 5,0 |  |  |  |  |
| 7,0 |  |  | 7,587711 | 7,537189 |
| 7,0 |  |  |  |  |

Inactivation natural molds and yeast data set at 250 MPa

Mean of replicas of two repetitions (log cfu/mL)

|  |  |  |
| --- | --- | --- |
| Treatment time (min) | Repetition 1 | Repetition 2 |
| 0,0 | 7,822495 | 7,781755 |
| 0,0 |  |  |
| 2,5 | 7,513217 | 7,492760 |
| 2,5 |  |  |
| 5,0 | 7,501744 | 7,434569 |
| 5,0 |  |  |
| 7,0 | 7,587711 | 7,537189 |
| 7,0 |  |  |

Inactivation natural molds and yeast data set at 400 MPa

No survivors at that pression level were counted