**Table 3** Glucan content in crude diatom beta glucan extracted, *C. muelleri,* assayed with the Megazyme assay kit.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **T1** | **T2** | **T3** |
| α-glucan (% w/w) | 0.059±0.003c | 0.054±0.002b | 0.013±0.002a |
| β-glucan (% w/w) | 2.92±0.30a | 11.59±0.18b | 79.45±1.40c |
| Total glucan (% w/w) | 2.98±0.30a | 11.64±0.18b | 79.47±1.40c |

The mean and standard deviation (SD) of three replicates is used to express data. When employing one-way ANOVA (P< 0.05), different letters represent the statistical comparisons between groups.

**Row Data**

|  |  |  |  |
| --- | --- | --- | --- |
| **α-glucan (%w/w)** | **T1** | **T2** | **T3** |
| **R1** | 0.056 | 0.056 | 0.011 |
| **R2** | 0.062 | 0.054 | 0.014 |
| **R3** | 0.059 | 0.052 | 0.014 |
| **mean (%w/w)** | 0.059 | 0.054 | 0.013 |
| **SD** | 0.003 | 0.002 | 0.002 |

|  |  |  |  |
| --- | --- | --- | --- |
| **β-glucan (%w/w)** | **T1** | **T2** | **T3** |
| **R1** | 3.10 | 11.69 | 78.39 |
| **R2** | 3.10 | 11.38 | 78.92 |
| **R3** | 2.58 | 11.69 | 81.04 |
| **mean (%w/w)** | 2.92 | 11.59 | 79.45 |
| **SD** | 0.30 | 0.18 | 1.40 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Total-glucan (%w/w)** | **T1** | **T2** | **T3** |
| **R1** | 3.15 | 11.75 | 78.40 |
| **R2** | 3.16 | 11.43 | 78.94 |
| **R3** | 2.64 | 11.75 | 81.06 |
| **mean (%w/w)** | 2.98 | 11.64 | 79.47 |
| **SD** | 0.30 | 0.18 | 1.40 |