**Supplementary Data**

**Effect of colloid-size copper-based pesticides and wood preservatives against microbial activities of Gram positive Bacillus species using five-day biochemical oxygen demand test**

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**Figure S1a.** Bicinchoninate method for ionic Cu determination using AQ4000 colorimeter



**Figure S1b.** Bicinchoninate method for ionic Cu determination using AQ4000 colorimeter

Table S1. Hydrodynamic diameter and ζ-potential values of CuPRO 2005 and Kocide 3000 pesticides and CuCO3 solution after particle size and ζ-potential analyzer analysis

|  |  |
| --- | --- |
|  | **Samples suspended in Milli-Q water** |
| **Suspension characterization** | **CuPRO 2005** | **Kocide 3000** | **CuCO3** |
| Hydrodynamic diameter (nm) | 620 ± 30 | 600 ± 30 | 286 ± 6 |
| ζ-potential (mV) | -42 ± 3 | -44 ± 2 | -30 ± 2 |