**Supplementary section**

**Enhanced corrosion inhibition effect of sodium tartrate on copper in potable water**

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**Table S1:** AFM parameters of copper surface in the absence and presence of inhibitor systems

|  |  |  |  |
| --- | --- | --- | --- |
| **Samples** | **RRMS (Rq) Roughness (nm)** | **Average (Ra) Roughness (nm)** | **Maximum Peak-to-valley Height (nm)** |
| Absence of inhibitor system(blank) | 88.6 | 64.5 | 163.2 |
| Presence of inhibitor system | 7.4 | 6.9 | 23.4 |