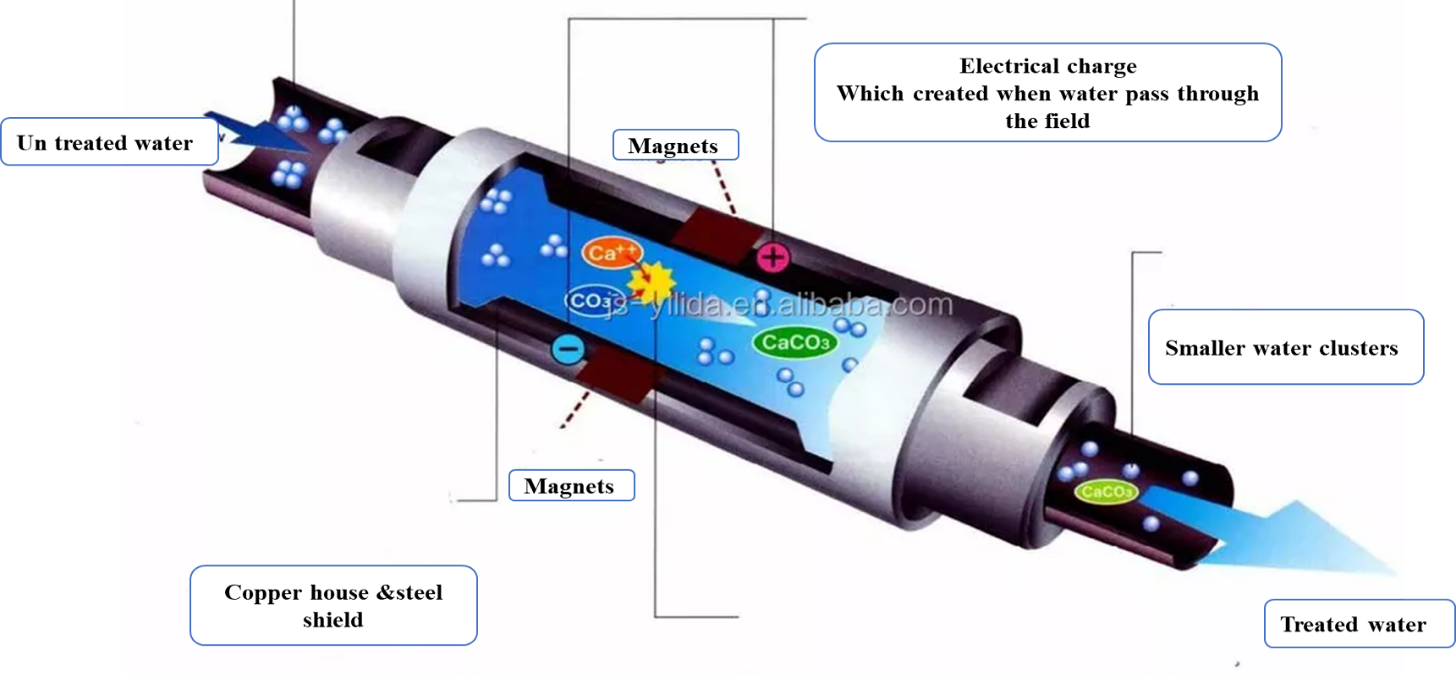
**Supplementary Material (Figures)**

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Magnetic force

Figure S1. Components of Test Rig.

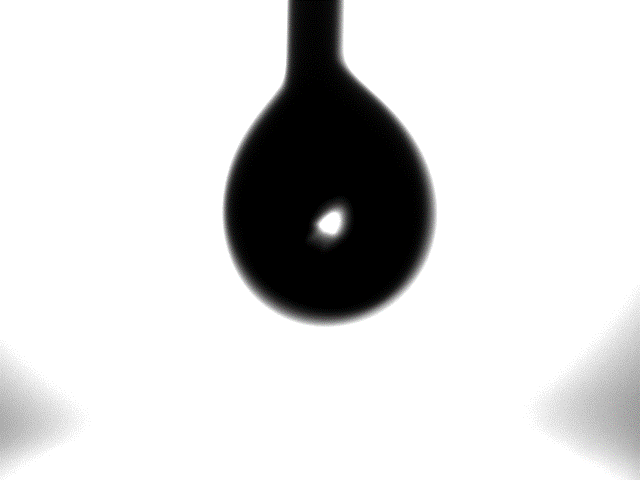


Figure.S2: surface tension measurement

Fig.S3 Alkalinity measurement of MWT