  **優必克科技股份有限公司**

 **UBIQ Technology Co., Ltd.**

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**Carbon(Graphene) Quantum Dots Powde****r(green)**

 **Model：GQD-02GP**

**Specifications：**

1. Chemical composition: C (44 at%), N (29 at%), O (27 at.%)
2. Purity: > 99.5%
3. Particle size: 2-5 nm (Ave: 3.5 nm)
4. Color: Black
5. Fluorescence: λex 400-600 nm at 360 nm; λex 575 nm at 450 nm
6. Quantum yield: > 32% in water; > 65% in ethanol
7. Hg detection limit: 0.1‒100 ppm

8. Hg removal capacity: > 0.8 mg/mg QD