

## Carboxyl Graphene quantum dots

**Cat:** NM000381

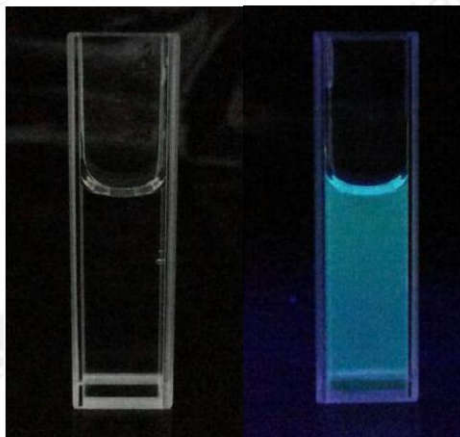
**Specification:** 50ml/100ml

**Storage:** Sealed, avoid light, and keep at 4°C. Expiry date: Three months before unsealing.

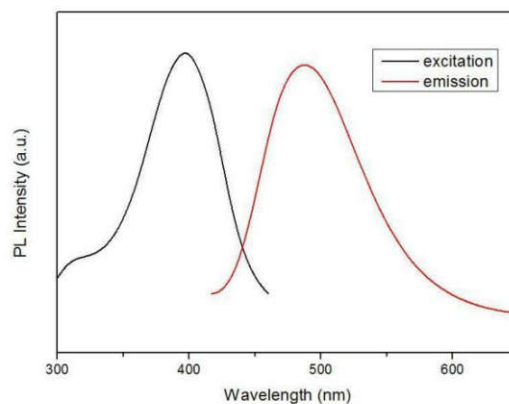
### Product Introduction:

Product name	Carboxyl Graphene quantum dots
Synthesis method	Organic synthesis method the solution is acidic
Size	< 10nm
Concentration	1mg/ml (Max: 30)
Purity	~80% quantum dots
Solvent	Water
at.%	~5%

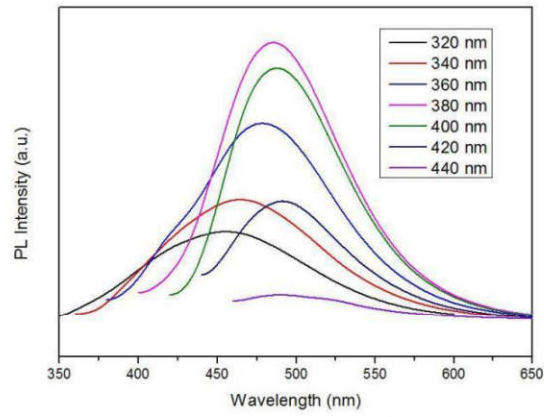
### Representation Test Diagram:



Photos of Carboxyl Graphene quantum dots solution under natural light (left) and at 365 nm UV lamp (right)

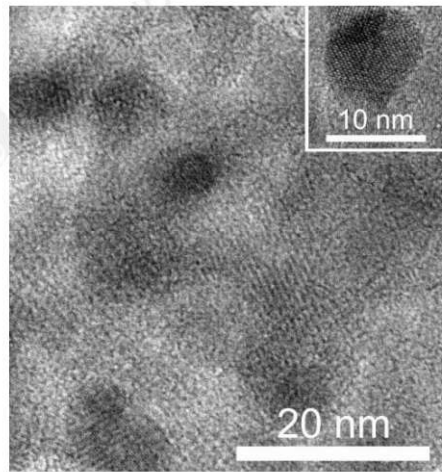


PL spectrum of Carboxyl Graphene quantum dots in water

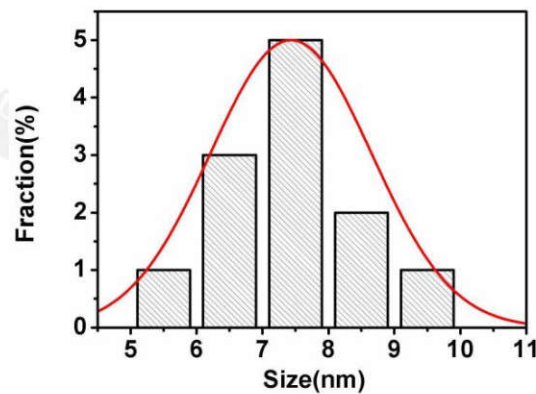


PL spectrum of Carboxyl Graphene quantum dots in water

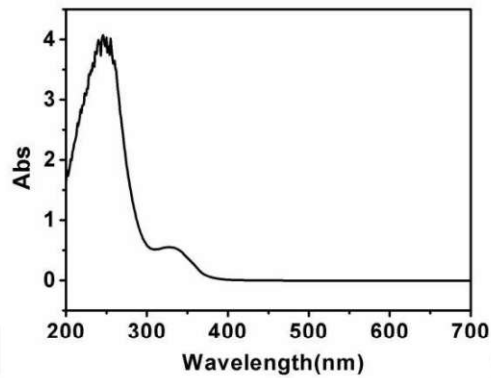
(Note: This spectrum is a single measurement data, allowing floating between different batches.)



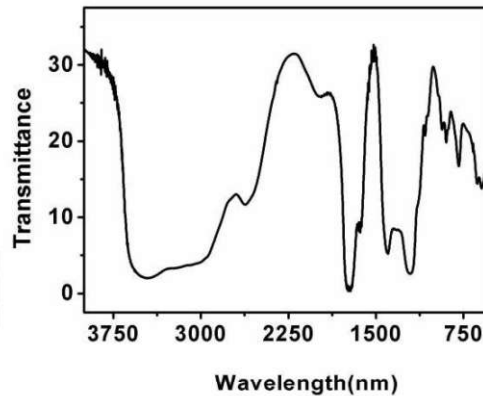
TEM of Carboxyl Graphene quantum dots in water



Size distribution of Carboxylated Graphene quantum dots in water



UV-Vis spectrum of Carboxylated Graphene quantum dots in water



FTIR spectrum of Carboxylated Graphene quantum dots in water

**Application:**

Composite materials, bio-labeling, optoelectronic devices, fluorescence materials etc.

**Note:**

1. This product is for scientific research use only. Do not use for medical, clinical diagnostic or therapeutic, food or cosmetic purposes. Do not store in ordinary residential areas.
2. For your safety and health, please wear a laboratory coat and wear disposable gloves and masks to operate.