



Technical Data Sheet

ACS Material Blue Luminescent Graphene Quantum Dots Powder

[1 – Preparation Method](#)

[2 – Characterizations](#)

[3 – Applications](#)

Contact Information:

ACS Material, LLC. Address: 959 E

Walnut St., Suite 100,

Pasadena, CA 91106, USA

Phone: (866)-227-0656

Fax: (781)-518-0284

E-Mail: contact@acsmaterial.com

Revision: 07132022

1. Preparation Method

Prepared by rotary evaporation of solution

2. Characterizations

| | |
|------------------------|--|
| Product name | Blue Luminescent Graphene Quantum Dots Powder |
| Light intensity | The luminous intensity is worse than that of solution |



Fig.1 Photos of Blue Luminescent Graphene Quantum Dots Powder at 365 nm UV lamp (left) and under natural light (right)

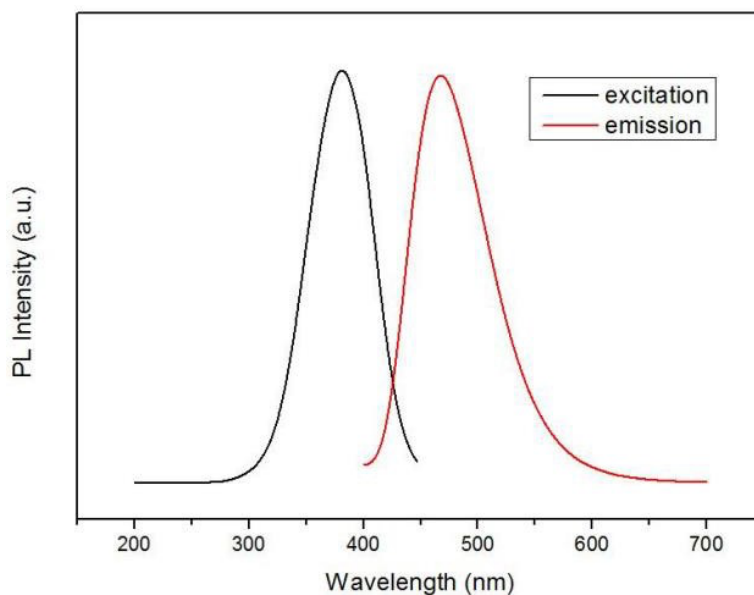


Fig.2 PL spectrum of Blue Luminescent Graphene Quantum Dots Powder dispersed in water

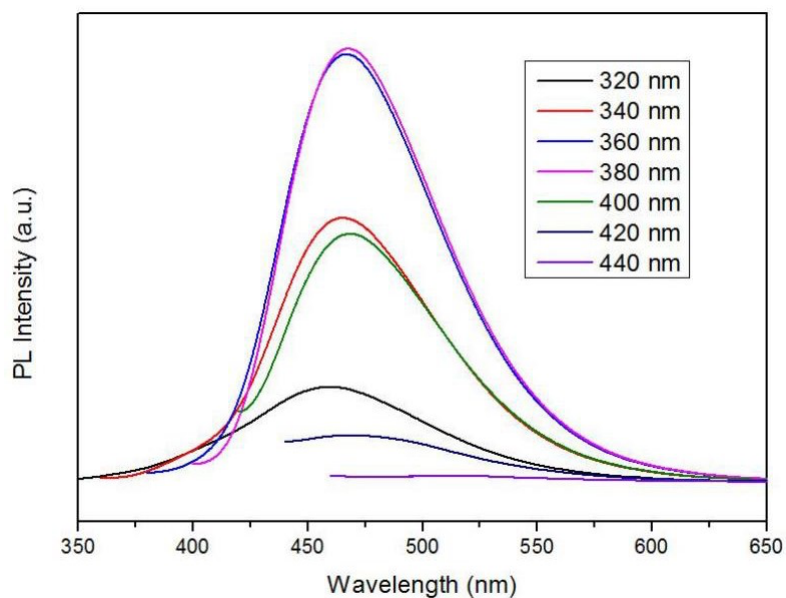


Fig.3 PL spectrum of Blue Luminescent Graphene Quantum Dots Powder dispersed in water
 (Note: This spectrum is a single measurement data, allowing floating between different batches.)

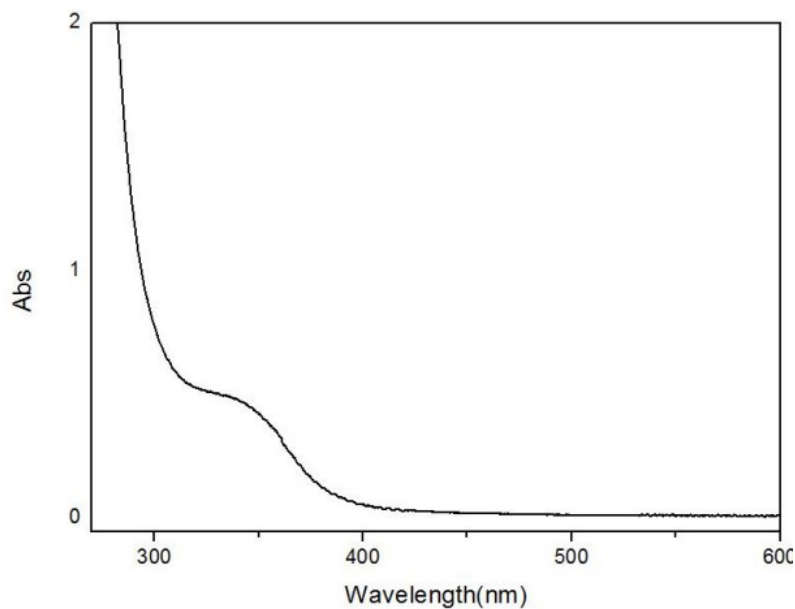


Fig.4 Absorption spectrum of Blue Luminescent Graphene Quantum Dots Powder dispersed in water

3. Applications

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

Disclaimer: ACS Material, LLC believes that the information in this Technical Data Sheet is accurate and represents the best and most current information available to us. ACS Material makes no representations or warranties either express or implied, regarding the suitability of the material for any purpose or the accuracy of the information contained within this document. Accordingly, ACS Material will not be responsible for damages resulting from use of or reliance upon this information.