



## Technical Data Sheet

### ACS Material Carbon Quantum Dots (CQDs)

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## 1. Characterizations

<b>Product Name</b>	CQDs	CQDs	CQDs	CQDs Powder
<b>Type</b>	Solution	Solution	Solution	Powder
<b>Excitation wavelength</b>	360~500nm	360~500nm	360~500nm	360~500nm
<b>Emission wavelength</b>	400~500nm	500~540nm	540~580nm	400~580nm
<b>Concentration</b>	10mg/ml	10mg/ml	10mg/ml	
<b>Carrier</b>	Water/Methanol	Water/Methanol	Water/Methanol	
<b>Quantum Yield</b>	≥40%	≥40%	≥80%	≥40%
<b>Full Width at Half Maximum</b>	≤100nm	≤100	≤100	≤100
<b>Shelf life</b>	6 months	6 months	6 months	6 months

## 2. Applications

- 1) Composite materials
- 2) Fluorescence imaging
- 3) Optoelectronic devices
- 4) Fluorescent materials

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