



Technical Data Sheet

ACS Material Aminated Carbon Quantum Dots (Aminated CQDs)

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1. Characterizations

Product Name	Aminated CQDs	Aminated CQDs	Aminated CQDs	Aminated CQDs
Type	Solution	Solution	Solution	Solution
Solution Carrier	Water/Methanol	Water/Methanol	Water/Methanol	Water/Methanol
Excitation wavelength	360~500nm	360~500nm	360~500nm	360~500nm
Emission wavelength	400~500nm	500~540nm	540~580nm	580~640nm
Concentration	10mg/ml	10mg/ml	10mg/ml	10mg/ml
Quantum Yield	≥40%	≥40%	≥80%	≥40%
Full Width at Half Maximum	≤100nm	≤100nm	≤100nm	≤100nm
Shelf life	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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