



Technical Data Sheet

ACS Material Carbon Quantum Dots Powder (CQDs Powder)

[1 – Characterizations](#)

[2 – Applications](#)

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1. Characterizations

Product Name	CQDs Powder	CQDs Powder	CQDs Powder	CQDs Powder
Function group	Aminated/ Carboxylated	Aminated/ Carboxylated	Aminated/ Carboxylated	Aminated/ Carboxylated
Type	Powder	Powder	Powder	Powder
Excitation wavelength	360~500nm	360~500nm	360~500nm	360~500nm
Emission wavelength	400~500nm	500~540nm	540~580nm	580-640nm
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) Flourescent materials

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