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## Product Specification

Product Name:

CdTe core-type quantum dots - COOH functionalized, fluorescence  $\lambda_{em}$  710 nm, powder**Product Number:** 777978  
**CAS Number:** 1306-25-8**Formula:** CdTe  
**Formula Weight:** 240.01 g/mol  
**Storage Temperature:** 2 - 8 °C

| TEST                   | Specification            |
|------------------------|--------------------------|
| Appearance (Color)     | Conforms to Requirements |
| Red to Black           |                          |
| Appearance (Form)      | Powder                   |
| Quantum Yield          | ≥ 15 %                   |
| Miscellaneous Assay    | Confirmed                |
| Confirms CdTe          |                          |
| Emission Peak          | 705 - 715 nm             |
| Expiration Date Period | -----                    |
| 2 years                |                          |

Specification: PRD.0.ZQ5.10000045984

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.