

PRODUCT SPECIFICATION

Product name: **Zinc Oxide Quantum Dots (ZnO QDs) coated with 10-undecynoate ligands**

Product number: ZnO-UA-S

Form: Powder

Description: Highly purified hydrophobic Zinc Oxide Quantum Dots coated with organic ligand shell without a presence of free organic ligand. Monodispersed, narrow size distribution, solution-stable, bright yellow luminescence upon excitation with UV.

| Properties | Specification / value |
|--------------------|---|
| Appearance | White, air-stable powder |
| Excitation | 335 nm ± 5 nm |
| Emission (max.) | 525 nm ± 5 nm |
| FWHM | 125 nm ± 5 nm |
| Core size | 2 – 10 nm |
| Solubility | Colloidal solution in THF, DMSO, toluene, CH ₂ Cl ₂ |
| Storage conditions | Room temperature, to be used in 3 months after opening |

PACKAGING

| Catalogue number | Quantity |
|-------------------------|-----------------|
| ZnO-UA-S-50 | 50 mg |
| ZnO-UA-S-100 | 100 mg |
| ZnO-UA-S-250 | 250 mg |

PRODUCT INTENDED FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY