

This certificate is an example. A complete certificate containing lot-specific information, such as concentration and volume, will be shipped with your purchase.



PAN-Chromeo™ 642 carboxylated (PAN Nanoparticles)

Catalog No: 15330, 16330

Lot No: Not Available

Chemical Properties:

Contents: 5 ml (Cat # 15330) or 10 ml (Cat # 16330) aqueous suspension of PAN-Chromeo 642 carboxylated 0.5 % (w/w) in 10 mM MOPS, pH 7, 15 mM sodium azide.

Fluorescent Properties:

PAN-Particles are based on a novel polymer, which form lattices with a reduced oxygen permeability and results in a very good protection of the incorporated dye against other environmental effects. The combination of this new polymers with the Chromeo-dyes results in novel nanoparticles with high fluorescent intensities. The particles are smaller than 50 nm, the main fraction is about 30 nm in diameter. The surface is carboxy-modified and has additional sulfo-groups. PAN-Nanoparticles are "loaded" with the lipophilic-form of Chromeo 642, showing similar fluorescent properties as the yellow-orange Cy5 dye. Filters designed for Cy5 can be used with Chromeo 642 carboxylated-particles

Excitation Max: 605, 650 nm

Emission Max: 678 nm

Diameter (average): 30 nm

Delivery form: 0.5 % (w/w) in buffer

Quality Control:

The particles have been quality tested by spectro-photometrical evaluation and by determining the solid residue after lyophilization.

Storage:

To ensure stability, the aqueous suspension should be stored at 4°C in the dark.

Caution: Do not dry or freeze; do not use more than 5% organic solvent. This product is guaranteed for 12 months from the date of arrival.

