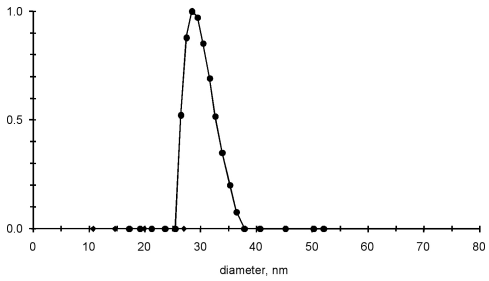
This certificate is an example. A complete certificate containing lot-specific information, such as concentration and volume, will be shipped with your purchase.

PAN-Chromeo™ 494 Tensidic-blocked (PAN Nanoparticles)

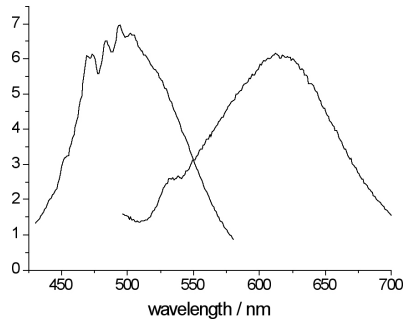
Catalog No: 15132, 16132

Lot No: Not Available



Chemical Properties:
Contents: 5 ml (Cat # 15132) or 10 ml (Cat # 16132) aqueous suspension of PAN-Chromeo 494 Proteinic blocked, 0.5 % (w/w) in 10 mM MOPS + 0.5 % (w/w) Tween, 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 polymer 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, has additional sulfo-groups and is blocked with Tween. PAN-Nanoparticles are “loaded” with the lipophilic-form of Chromeo 494, showing a large Stoke's shift of 123 nm.



Excitation Max: 494 nm

Emission Max: 617 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.