

NANOTECHCENTER LLC



Krzhizhanivskogo Str., 3,
03680
Ukraine, Kyiv-142

+380636068499



site: ntc.co.ua

email: nanotcenter@gmail.com

Skype: nanotcenter

Carbon Nanoparticles (3-50 nm)

Purity: 98 %

Average particle size (XRD): nil (amorphous)

Average particle size (DLS): 25 nm

Average particle size (TEM): 28 nm

Surface area: 150 m²/g (BET)

Color: black

Morphology: near spherical

Bulk Density: 0.2–0.5 g/cm³

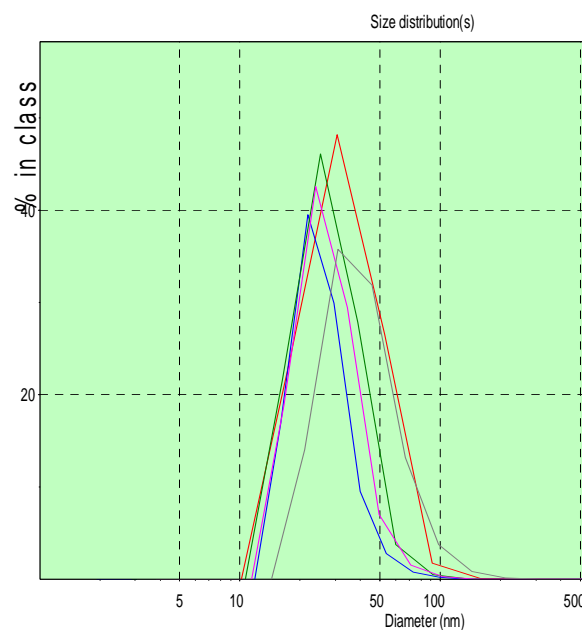
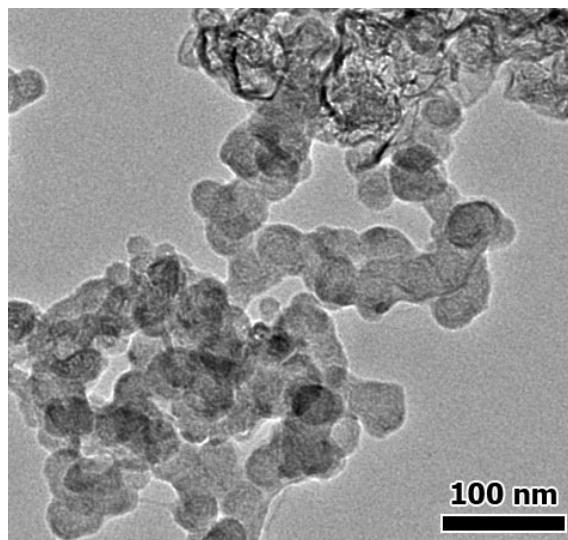
Tap Density: 1.65 g/cm³

Certificate of Analysis - % wt.

C – 99.0 %

O – 0.3 %

H – 0.7 %



Application:

Produced Carbon Nanoparticles can be successfully used in: solar cells, hydrogen storage devices, supercapacitors, oils and fuels as additive, water treatment, polymers as additives, biological research, medicine, drug delivery, heterogeneous catalysis as catalysts and catalyst support, encapsulation of support and electrode materials.

Please contact us for prices, order and additional information.

Additional description for site

Carbon Nanoparticles are produced by Ukrainian company NanoTechCenter with unique reactors and new technology of electric-discharge synthesis using different sources of carbon. The developed method of synthesis allows us to obtain nanoparticles with size distribution of 3-50 nm and include >98 % of carbon.

Consumer interest in carbon nanoparticles is primarily driven by their unique physical and chemical properties making them suitable for a whole host of applications. Produced Carbon Nanoparticles have encountered application in a wide range of technological fields, such as: solar cells, hydrogen storage devices, supercapacitors, oils and fuels as additive, water treatment, polymers as additives, biological research, medicine, drug delivery, heterogeneous catalysis as catalysts and catalyst support, encapsulation of support and electrode materials.

Carbon Nanoparticles added to motor oil as well as motor fuel have been shown to reduce friction and wear typically seen in engines by as much as 2-5 times, suggesting a similar enhancement in fuel economy.

Please contact us for prices, order and additional information.