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Certificate of Analysis

Catalogue Number	47057
Lot Number	003344-0544-101520
Product	Graphene nanopowder (11-15 nm)
CAS Number	7782-42-5
Molecular Formula	C
Molecular Weight	12.01

Appearance	Black nanopowder
Trace Metal Analysis	Ti : 141.6 ppm, V : 9.7 ppm, Cr : 292.5 ppm, Mn : 27.4 ppm, Fe : 515 ppm, Co : 5.4 ppm, Ni : 142.8 ppm, Cu : 137.5 ppm, Zn : 290.6 ppm, Sb : 1.6 ppm, Sn : 14.8 ppm, Mo : 8.8 ppm, W : 7.6 ppm, Pb : 9.3 ppm, Ga : 0.8 ppm, Sr : 2.1 ppm, Zr : 2 ppm, Eu, Pt : < 0.1 ppm, Y : 0.2 ppm,

Mesh Size Thickness : 11-15 nm, SSA 56 °C

Related Substances Trace metals analysis :
Li : 1.1 ppm, Be : 0.2 ppm, B : 3 ppm, F : 260 ppm, Na : 115.6 ppm, Mg : 76.2 ppm, Al : 185.6 ppm, Si : 1437.5 ppm, P : 44.3 ppm, S : 3924.9 ppm, Cl : 29.2 ppm, K : 87.1 ppm, Ca : 294.9 ppm

Purity > 99.5% (Trace metals basis)

Storage Store at RT

Additional Information Trace metals analysis :
Sc, Ge, Se, Nb, Ru, Cd, Nd, Sm, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Hf, Re, Os, Ir, Tl, Bi, Th, U : < 0.05 ppm, As, Br, Rb, : < 0.01 ppm, Rh : < 0.35 ppm, Pd : < 0.75 ppm, Ag : < 0.035 ppm, Te, Cs, La, Ce, Pr, Au, Hg, : < 0.5 ppm, I : < 18 ppm, Ba : < 0.3 ppm, Ta : < 100 ppm

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager