

**TECHNICAL DATA SHEET**

CAS NO : 12070-12-1

**TUNGSTEN CARBIDE POWDER (NANO POWDER) (WC)**
**PHYSICAL ANALYSIS :**

COLOUR : GREY BLACK LUSTROUS  
 APPEARANCE: POWDER FORM  
 PARTICLE SIZE: FSSS 1  $\mu$  - 20  $\mu$   
 OXYGEN : 0.02 % - 0.3 % MAXIMUM  
 TOTAL C : 6.10 % - 6.18 %  
 FREE C : 0.06 % - 0.08 %  
 DENSITY : 15.7 g/cm<sup>3</sup>  
 MELTING POINT : 3143 K, 2870 °C, 5198 °F  
 FLASH POINT : FLAMMABLE  
 ASSAY :  $\geq$ 99.98 % TRACE METALS BASIS

**CHEMICAL ANALYSIS :**

M.W : 195.85 g/mol

PARAMETERS	SPECIFICATION
Al	< 10 ppm
As	< 10 ppm
Ca	< 15 ppm
Cr	< 20 ppm
Fe	< 50 ppm
K	< 10 ppm
Mg	< 10 ppm
Mo	< 80 ppm
Na	< 20 ppm
Ni	< 10 ppm
Si	< 10 ppm
Cu	< 10 ppm
Mn	< 10 ppm
Co	< 20 ppm
Sn	< 10 ppm

**PACKING : 100 % VERGINE HIGH DENSITY BAGS 20 KG, 30 KG, 50 KG IN HDPE DRUMS**