

PRODUCT TEST CERTIFICATE

Product Name	Spherical Cast WC Powder	Type	15-45µm		
Lot No.	20210427-WC	Quantity	30 Kg		
Chemical Composition					
Element	Value (%)	Test Method	Element	Value (%)	Test Method
W	Bal	—	Nb	<0.05	ICP-AES
Fe	≤0.15	ICP-AES	V	<0.05	ICP-AES
Cr	<0.05	ICP-AES	Co	<0.01	ICP-AES
Ti	<0.05	ICP-AES	Ni	<0.01	ICP-AES
Ta	<0.05	ICP-AES	Mo	<0.01	ICP-AES
Gas Impurities					
Element	Value (%)		Element	Value (%)	
Total C	3.7-4.2		Free C	0.005	
O	0.02				
Density			Hall Flow Rate		
Apparent Density (g/cm ³)	Tap Density (g/cm ³)		Value(s/50g)		
10.54	11.80		6.10		
SEM					