

## PRODUCT TEST CERTIFICATE

Product Name	Spherical Cast WC Powder	Type	45-75µm		
Lot No.	HM20230427-WC	Quantity	30 Kg		
<b>Chemical Composition</b>					
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
<b>Gas Impurities</b>					
Element	Value (%)		Element	Value (%)	
Total C	3.7-4.2		Free C	0.005	
O	0.02				
<b>Density</b>			<b>Hall Flow Rate</b>		
Apparent Density (g/cm <sup>3</sup> )	Tap Density (g/cm <sup>3</sup> )		Value(s/50g)		
10.54	11.80		6.10		
SEM					