

**PRODUCT TEST CERTIFICATE**

Product Name	Spherical Nb521 Powder		Size	15-53µm	
Net Weight	5 kg		Date	March 16, 2025	
<b>Chemical Composition</b>					
Element	Value (%)	Test Method	Element	Value (%)	Test Method
Nb	Bal.	—	W	5.22	ICP-AES
Mo	1.97	ICP-AES	Zr	0.92	ICP-AES
Al	<0.0020	ICP-AES	Si	<0.01	ICP-AES
Fe	<0.0050	ICP-AES	Others	<0.05	ICP-AES
<b>Gas Impurities</b>					
Element	Value (wt%)		Element	Value (wt%)	
C	0.070		O	< 0.03	
H	0.0031		N	0.0078	
<b>Density</b>			<b>Hall Flow Rate</b>		
Apparent Density (g/cm3)		Tap Density (g/cm3)		Value(s/50g)	
≥4.5		≥5.5		≤15.0	
SEM					