

Heeger Materials Inc

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PRODUCT TEST CERTIFICATE

Product Name	Spherical IN718 Powder		Type	20-53µm	
Lot No.	FM-IN718		Quantity	25Kg	
Chemical Composition					
Element	Value (%)	Test Method	Element	Value (%)	Test Method
Ni	Bal.	—	Ti	1.12	ICP-AES
Cr	18.39	ICP-AES	Al	0.67	ICP-AES
Fe	16.73	ICP-AES	Hf	0.02	ICP-AES
Mo	3.26	ICP-AES	Ca	0.013	ICP-AES
Nb	5.41	ICP-AES	Mg	0.011	ICP-AES
Si	0.0221	ICP-AES	Mn	0.0038	ICP-AES
Cu	0.0006	ICP-AES	Zr	0.064	ICP-AES
Gas Impurities					
Element	Value(%)		Element	Value(%)	
C	0.062		O	0.02	
S	0.0023		N	0.0026	
Density			Hall Flow Rate		
Apparent Density (g/cm ³)	Tap Density (g/cm ³)		Value(s/50g)		
4.19	5.15		16.9		
SEM					