

Heeger Materials Inc

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PRODUCT TEST CERTIFICATE

Product Name	Spherical Cu Powder	Type	15-45µm		
Lot No.	20230415-Cu	Quantity	40Kg		
Chemical Composition					
Element	Value (%)	Test Method	Element	Value (%)	Test Method
Cu	Bal	—	Al	0.001	ICP-AES
Fe	0.0035	ICP-AES	Pb	0.0012	ICP-AES
Ni	0.001	ICP-AES	Zn	0.001	ICP-AES
Sn	0.001	ICP-AES	Others	<0.10	ICP-AES
Gas Impurities					
Element	Value (%)		Element	Value (%)	
C	0.004		O	0.086	
Density			Hall Flow Rate		
Apparent Density (g/cm ³)	Tap Density (g/cm ³)		Value(s/50g)		
/	4.45		/		