


Certification Of Analysis

Product	CrB ₂ Powder (50-150um)				
Number	HW-B-20220715-02				
Analysis Project	Impurity element content				
Analytical Technique	Inductively Coupled Plasma/Elemental analyzer				
Test Result	Chemical composition	Test Standards		Test Result	
	B	27.8-29.3		29.2	
	C	≤0.10		0.08	
	O	≤0.50		0.45	
	N	≤0.10		0.03	
	Fe	≤0.05		0.05	
	Ta	≤0.005		0.0005	
	Nb	≤0.001		0.0005	
	W	≤0.005		0.0020	
	Cd	≤0.001		0.0005	
	Cu	≤0.005		0.0003	
	Ni	≤0.001		0.0003	
	Mo	≤0.001		0.0008	
	Si	≤0.005		0.0010	
	Mn	≤0.001		0.0003	
	Mg	≤0.001		0.0010	
	particle size	< 50um	≤ 5%	< 50um	4.5%
	50-150um	≥ 90%	50-150um	91.6%	
	> 150um	≤ 5%	> 150um	3.9%	
Purity	99.5%, XRD > 99.5%				
Testing Department	Test conclusion			Qualified	
	Quality Testing Department				
	Inspector:	LiDong	Authorize:	LiuTian	
Testing Date	2022-07-22				