

Technical Data Sheet

ACS Material WS₂ Powder 0.58µm

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1. Preparation Method

Dry Method

2. Characterizations

	Composition	Content (%)	
Composition		Specification	Product assy value
Content		(Theoretical value)	
	WS ₂	99.9 min	99.9
	W	73.0 min	73.98
	H ₂ O		0.011
	Fe		0.0015
	Al	impurity 0.2 wt.% max	0.0005
	Cu	S and impurity	0.0002
	Мо	are 27 wt.% max in total	0.0008
	Si		0.0006
	Mg		0.0010
	Ca		0.0003
	Ni		0.0007
	С		0.0006
Appearance	Grey / Black powder	·	
F.S.S.S	0.58 μm		
Acid-base property	Neutral		



Typical SEM Images of ACS Material WS_2 Powder $0.58 \mu m$



Typical SEM Images of ACS Material WS $_2$ Powder $0.58 \mu m$

3. Application Fields

- 1) Lubricant
- 2) Transistors
- 3) Catalyst for hydrotreating of crude oil

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