Technical Data Sheet

ACS Material Ti_3C_2Tx MXene

(multilayer nanoflakes)

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1. Product Information

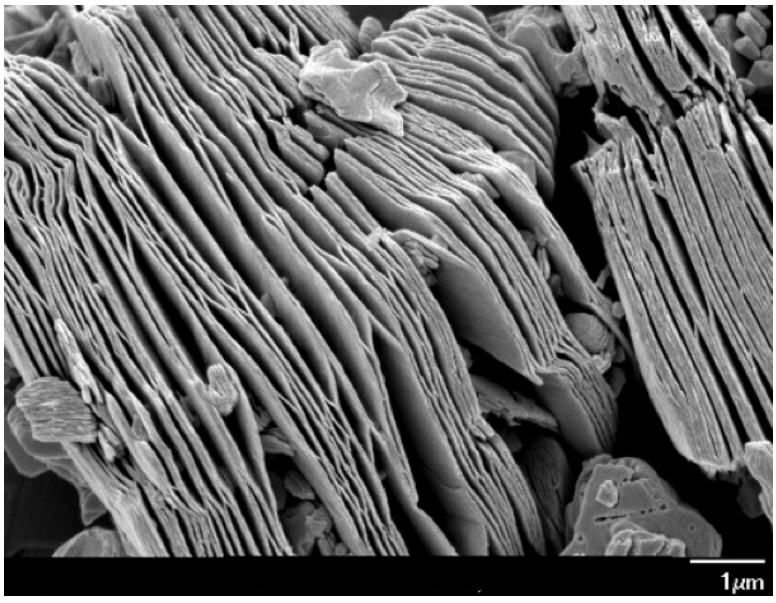
Product Name:	Ti_3C_2Tx MXene (multilayer nanoflakes); multilayer Ti_3C_2Tx MXene; multilayer MXene Ti_3C_2Tx nanoflakes;
CAS No.:	12316-56-2
Appearance:	Black Powder
Content:	Ti_3C_2
Thickness:	100-200 nm
Purity:	~54-68 wt%

2. Characterizations

Typical content of ACS Material Ti_3C_2Tx MXhene (multilayer nanoflakes)

Content	wt%	at%
C	9.98	21.77
O	13.87	22.70
F	16.01	22.07
Al	1.38	1.34
Ti	58.75	32.11

(note: this is for reference only and it may vary from batch to batch)



Typical SEM of ACS Material ACS Material Ti_3C_2Tx MXhene (multilayer nanoflakes)

3. Application Fields

a. Nano-adsorption
b. Lithium-ion battery
c. Supercapacitor
d. Biosensors
e. Lubrications
f. Ion-sieving and catalysis, etc.

4. Storage

Keep it sealed with Argon protection in a vented area at room temperature and avoid light. Shelf life is about 3 months.