

Микроскопия детонационного углерода.
Альбом фотографий.

Тротил (ТНТ)
Тротил/гексоген (ТГ 50/50)
Триаминотринитробензол (ТАТБ)
Бензотрифуроксан (БТФ)

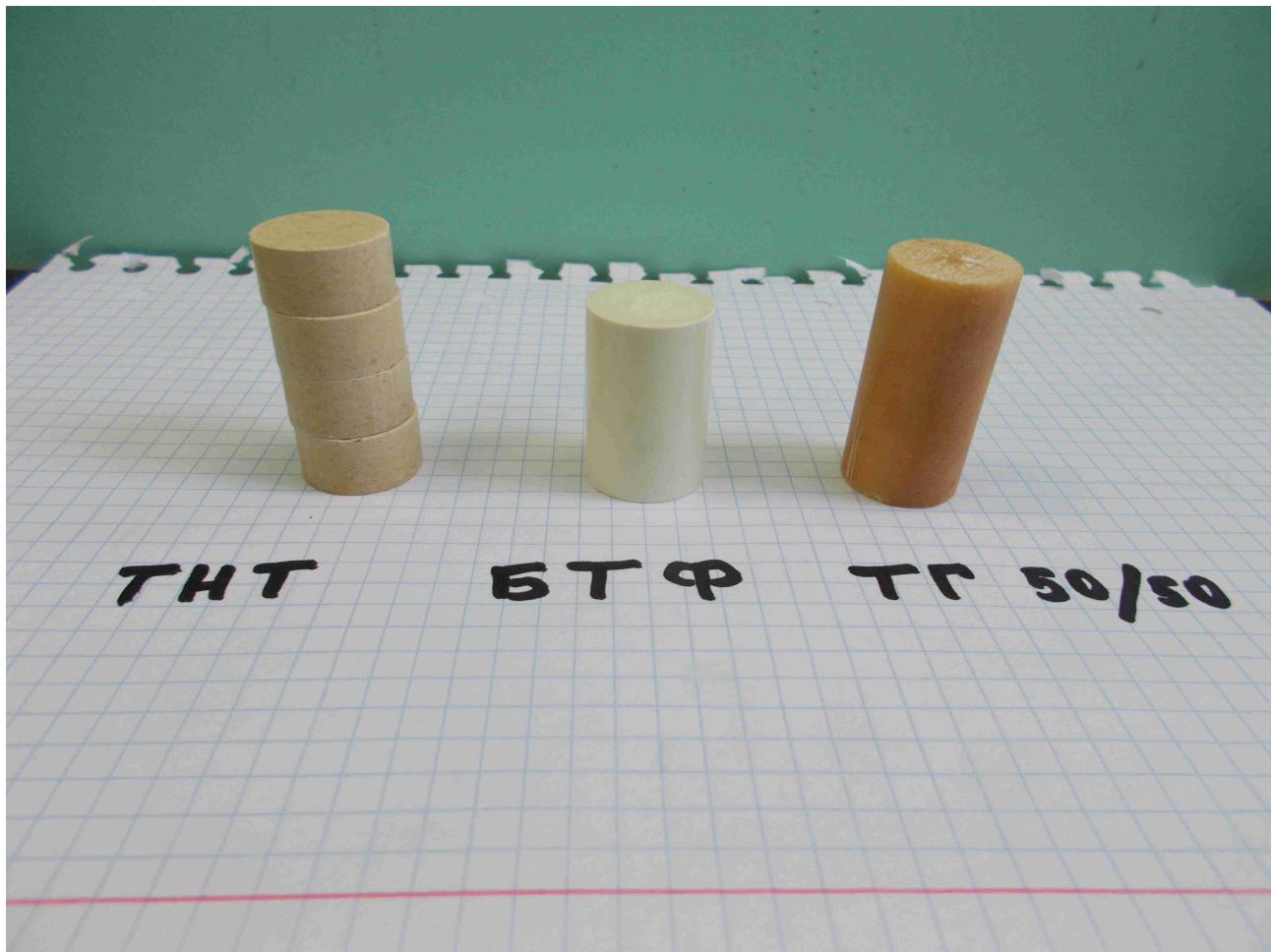
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Федеральное государственное бюджетное учреждение науки
Институт гидродинамики им. М.А. Лаврентьева
Сибирского отделения Российской академии наук

9 февраля 2016 г.

Содержание

1 Тротил	4
2 Тротил. Продукты горения.	8
3 ТГ (50/50)	10
4 ТАТБ	16
5 БТФ прессованный	22
6 БТФ прессованный. Отожженный остаток при 460 °C	30
7 БТФ прессованный. Отожженный остаток при 515 °C	34
8 БТФ пластифицированный	38
9 БТФ пластифицированный. Отожженный остаток при 520 °C	46

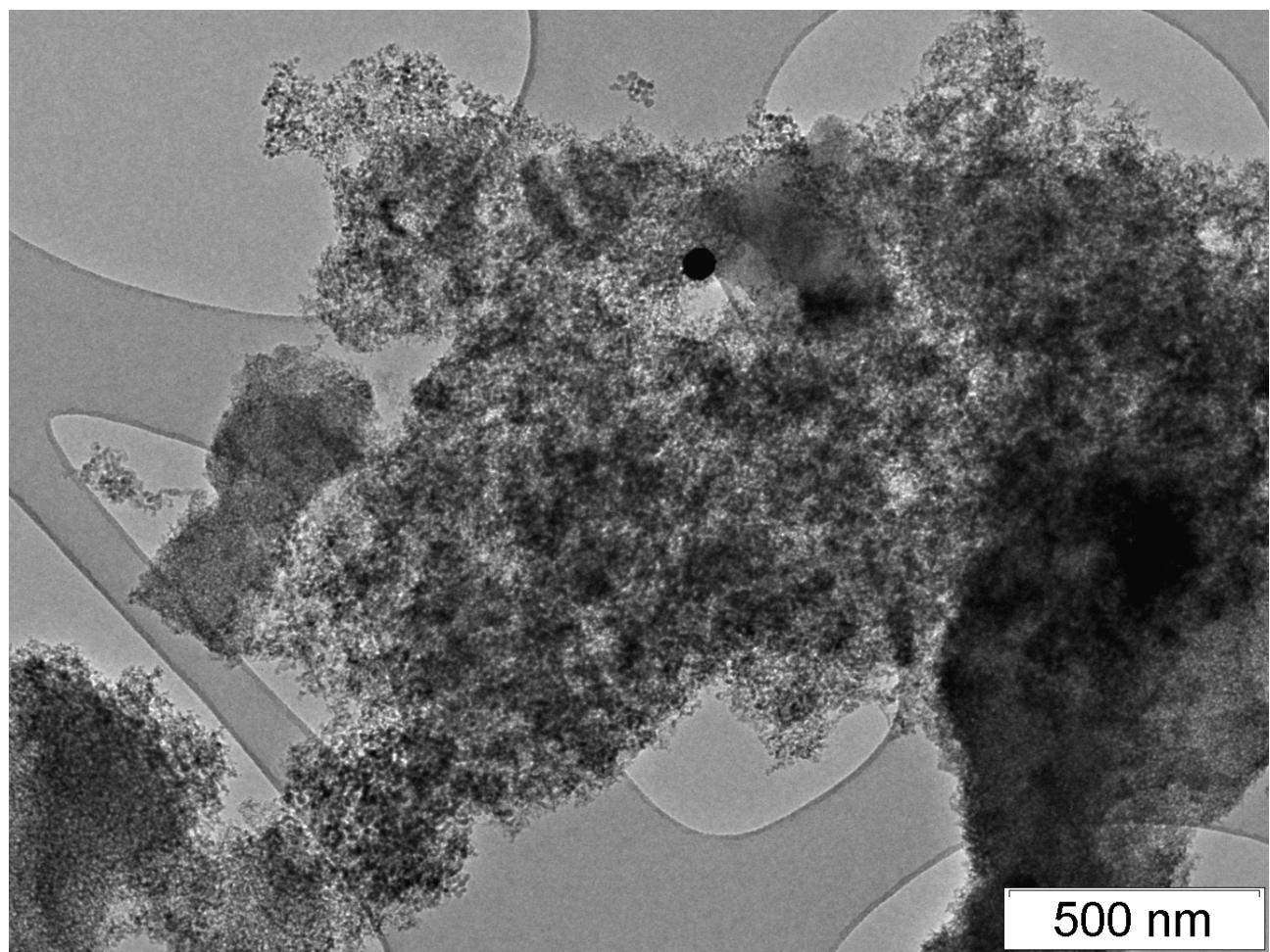


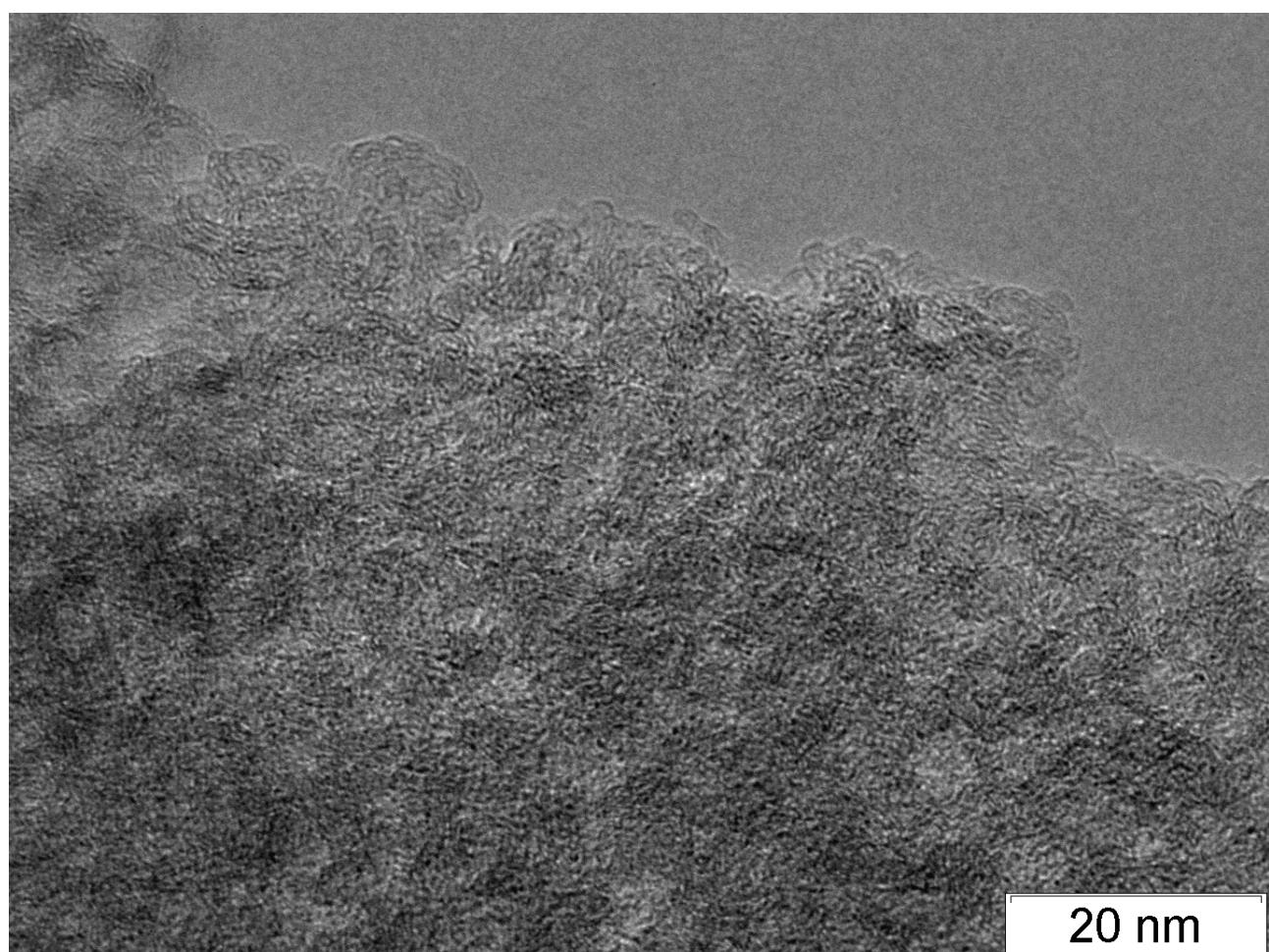
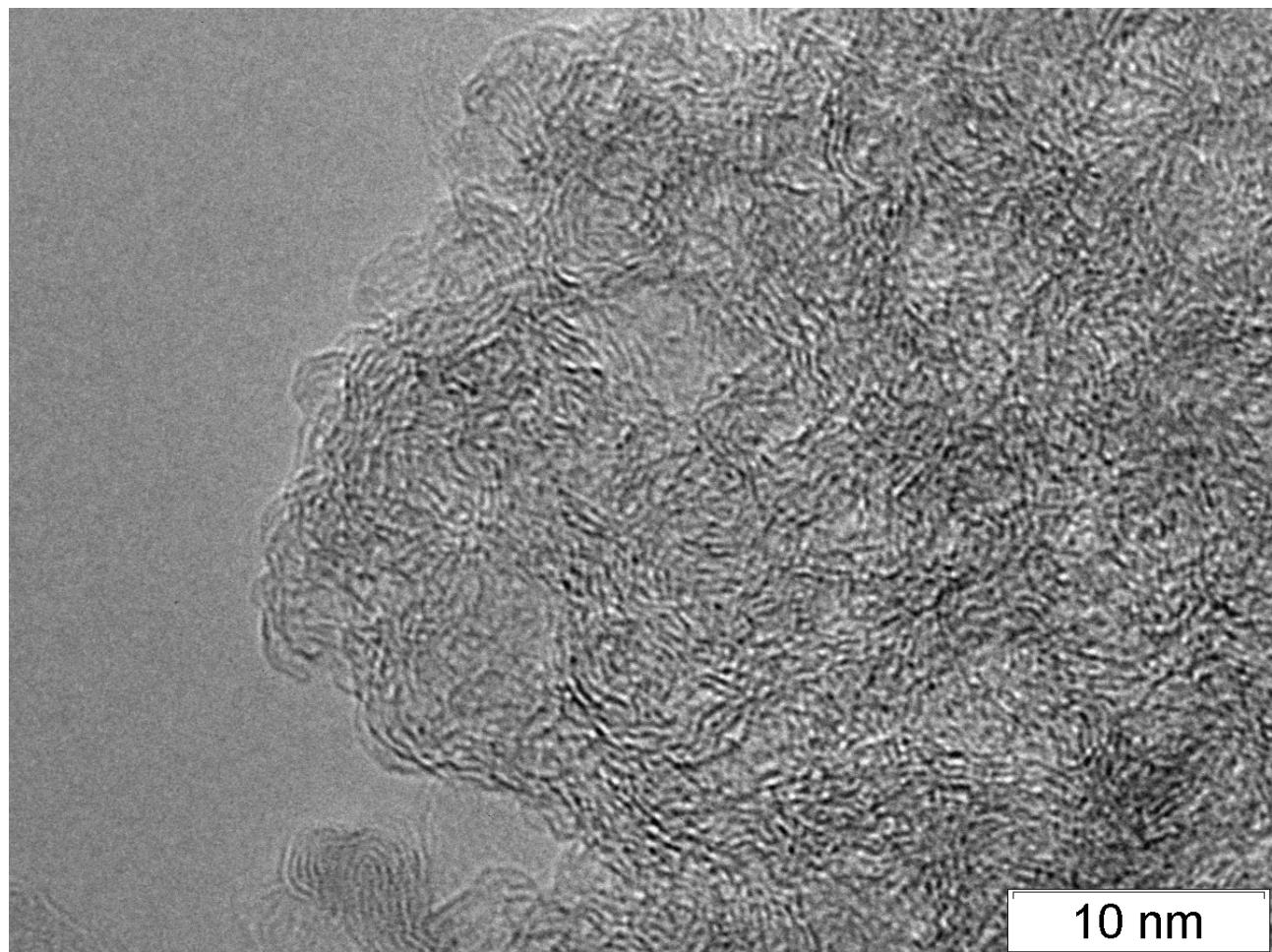
1 Тротил

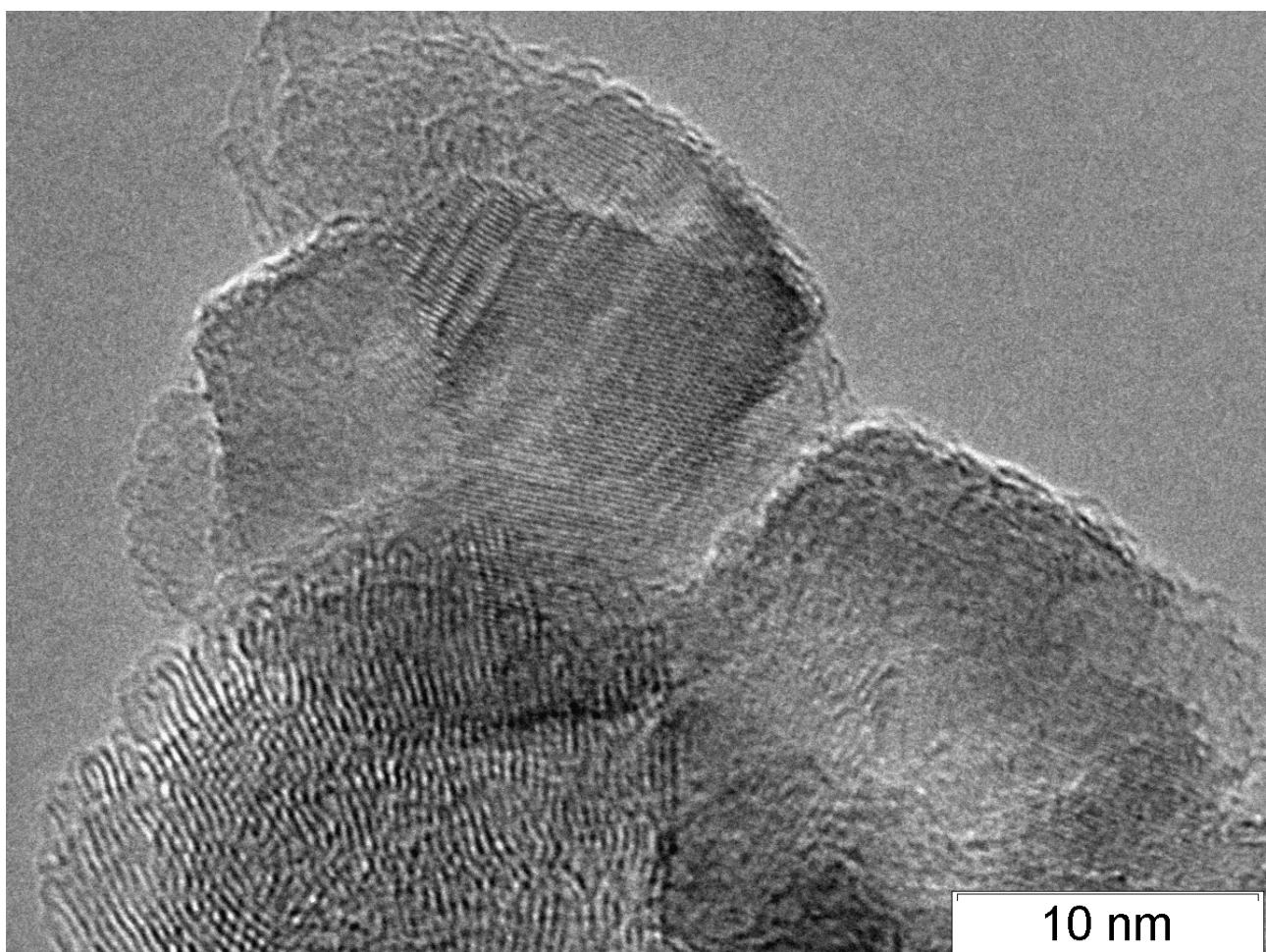
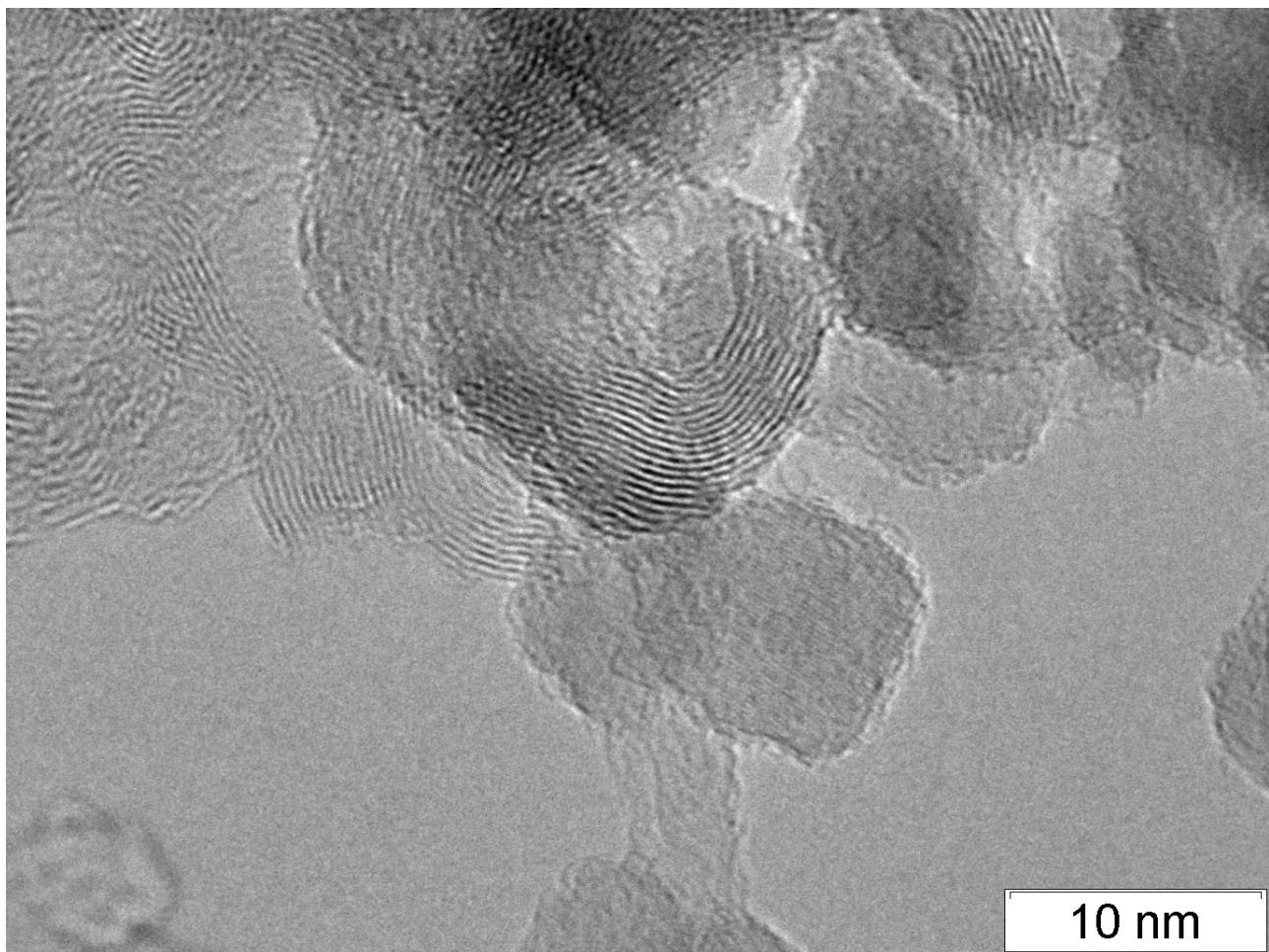
Литой заряд

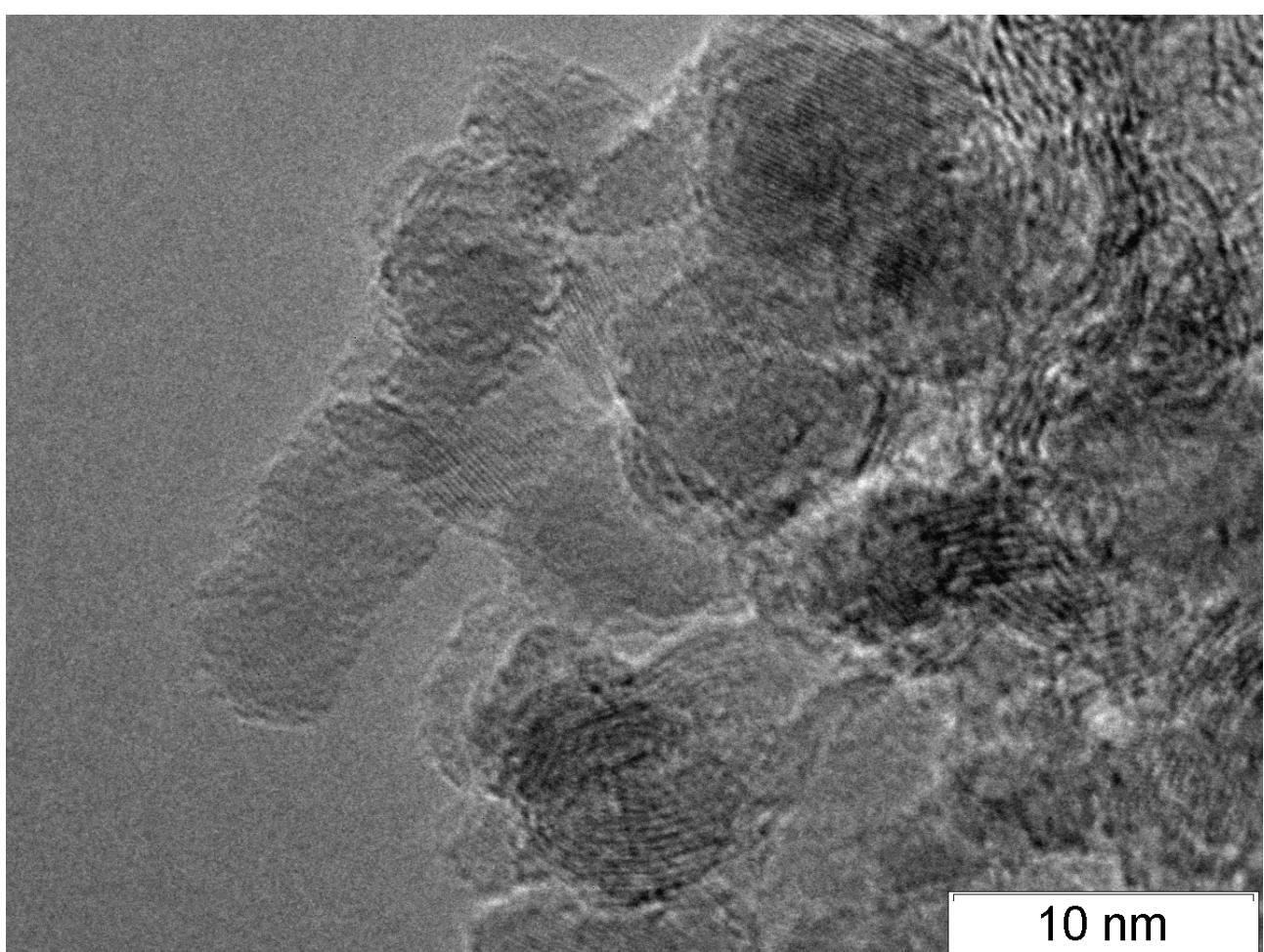
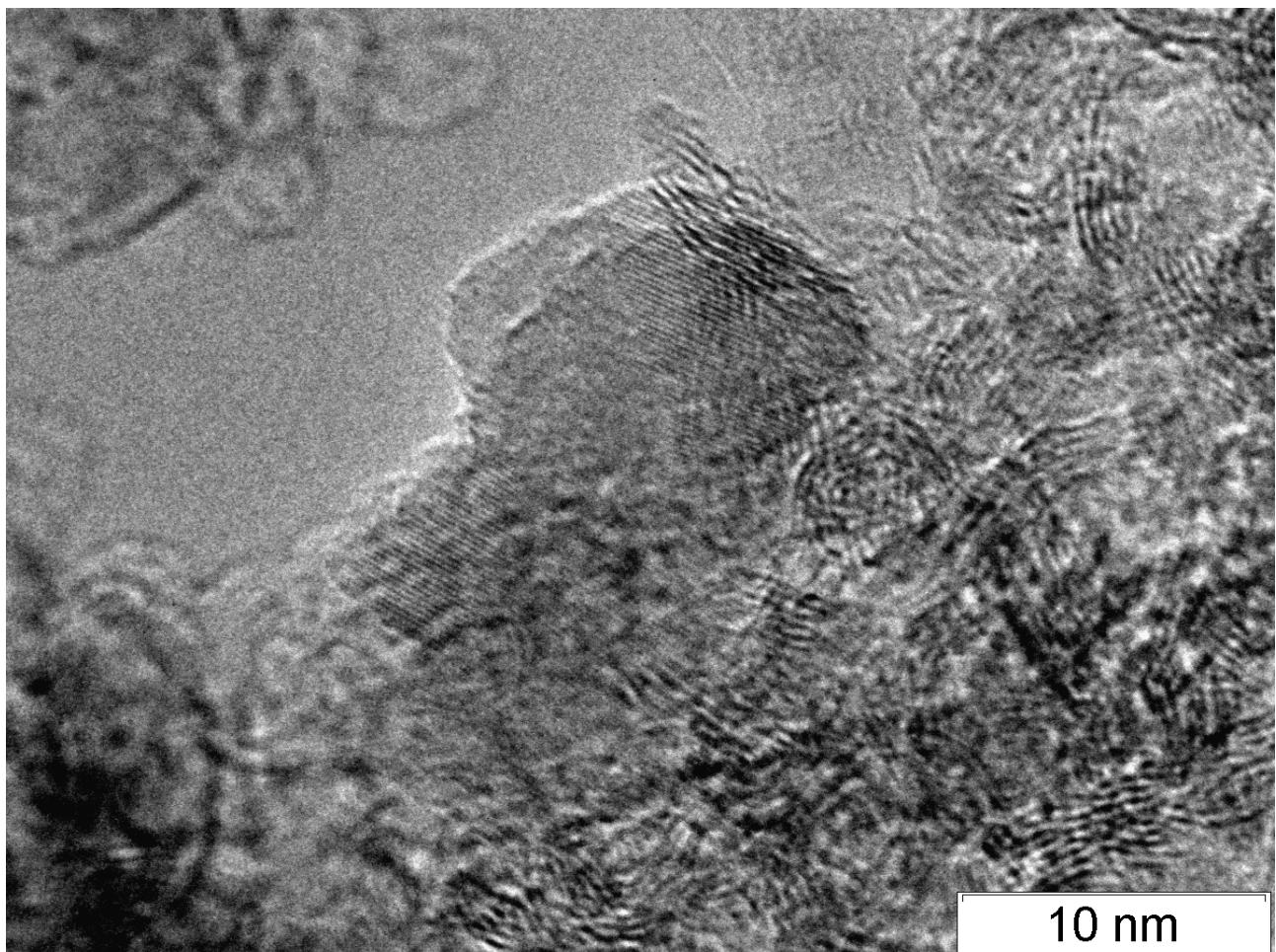
Диаметр 20 мм

Масса: 20 г.



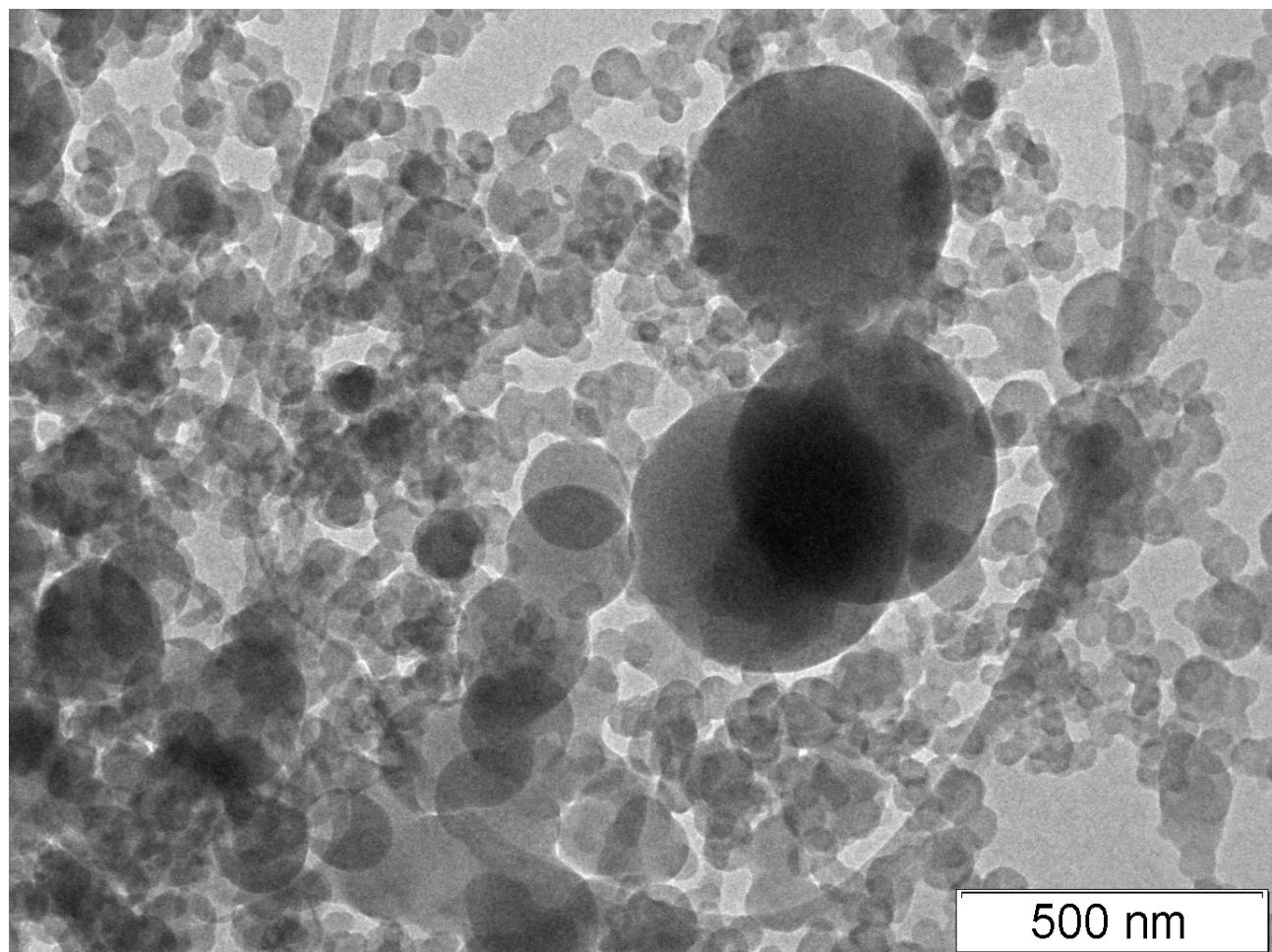


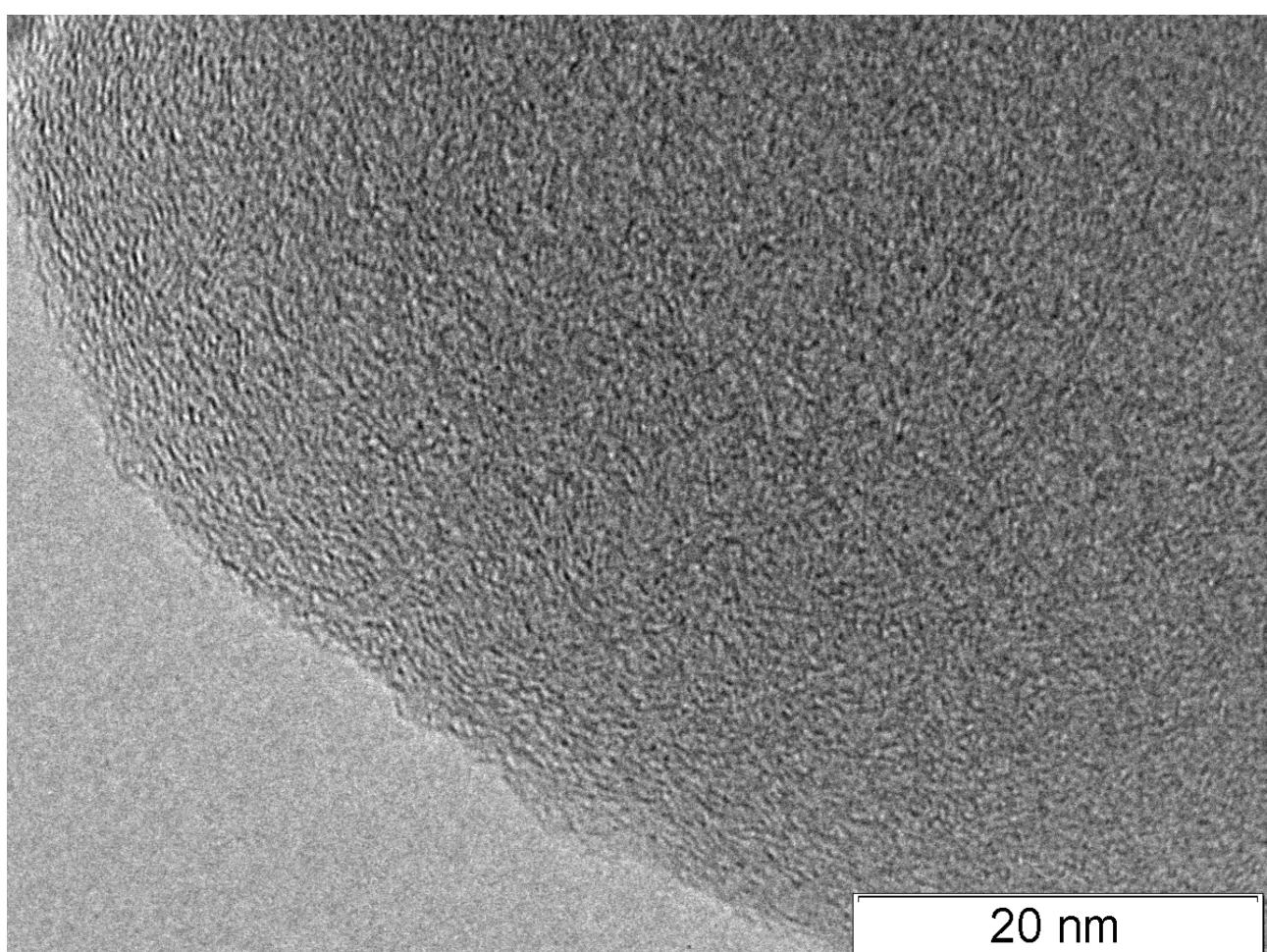
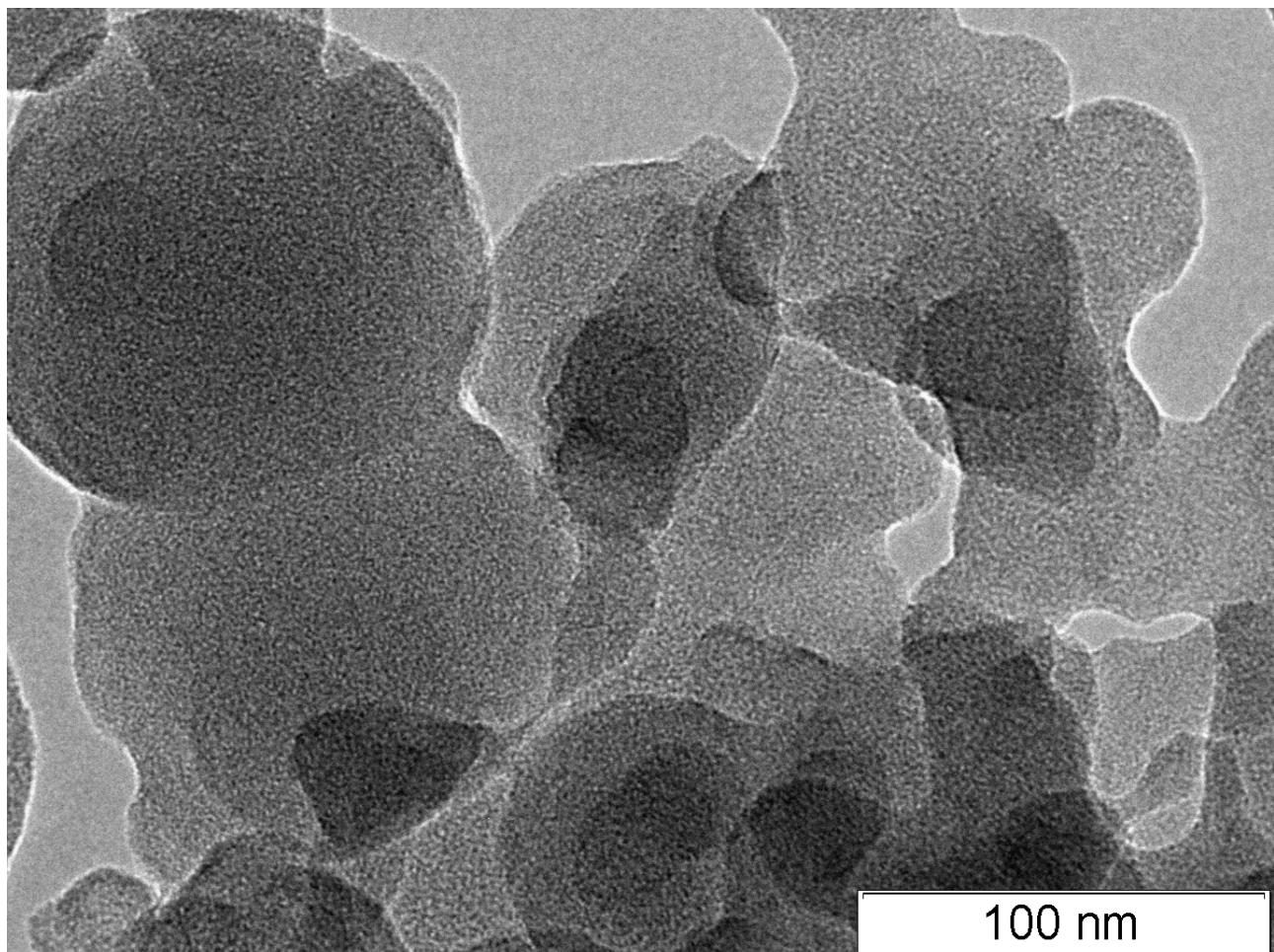




2 Тротил. Продукты горения.

Продукты горения при атмосферном давлении.



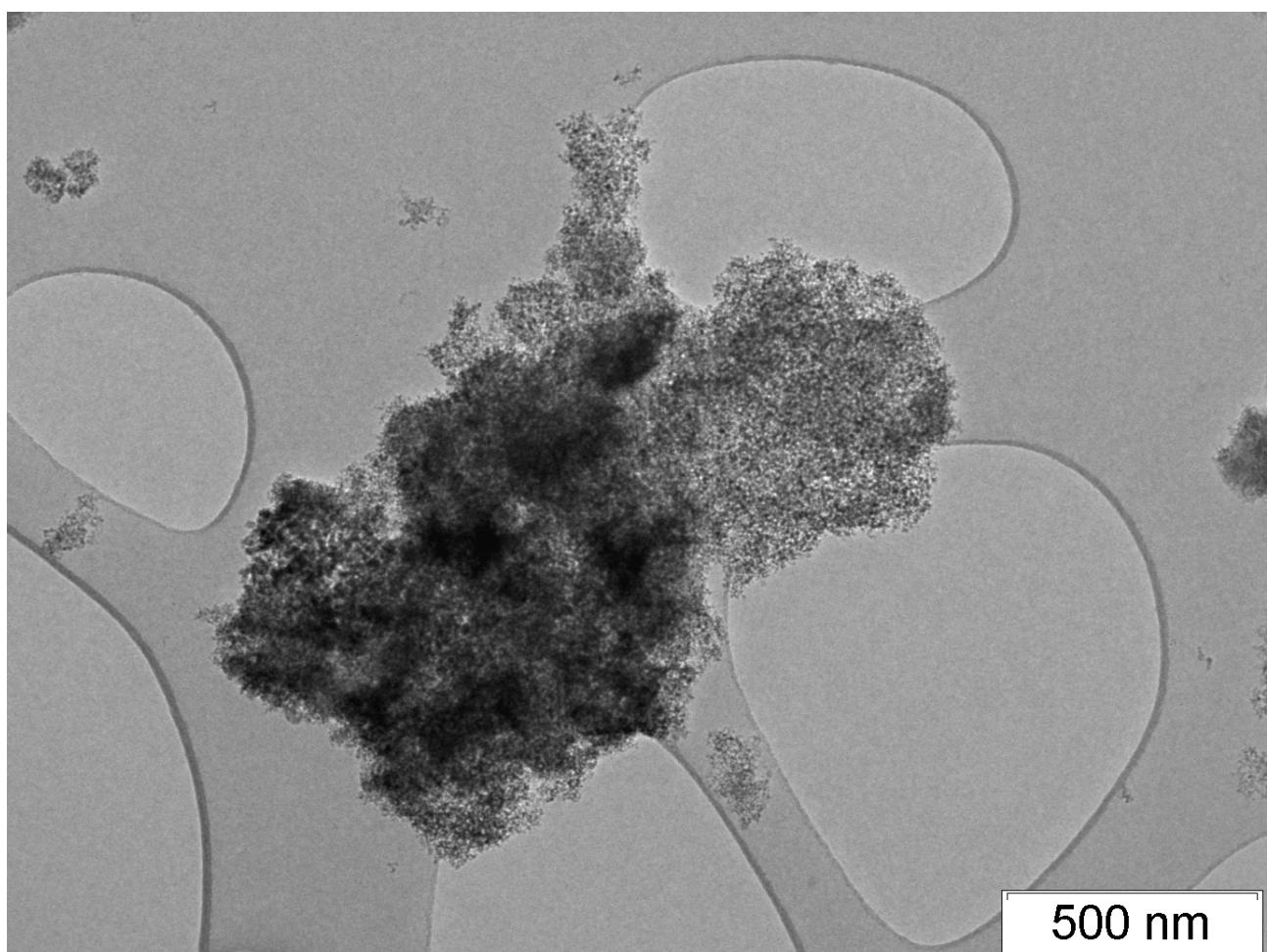


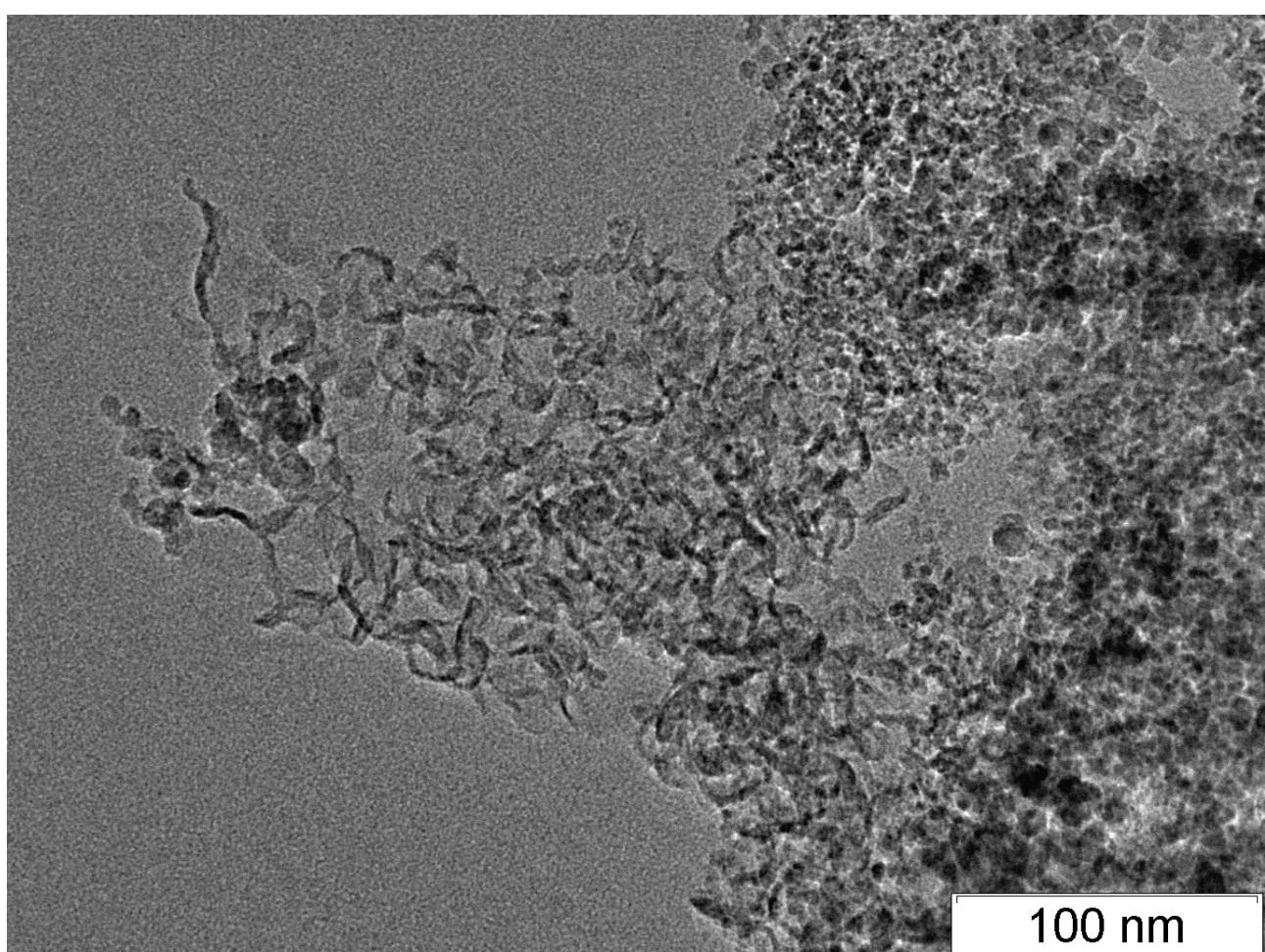
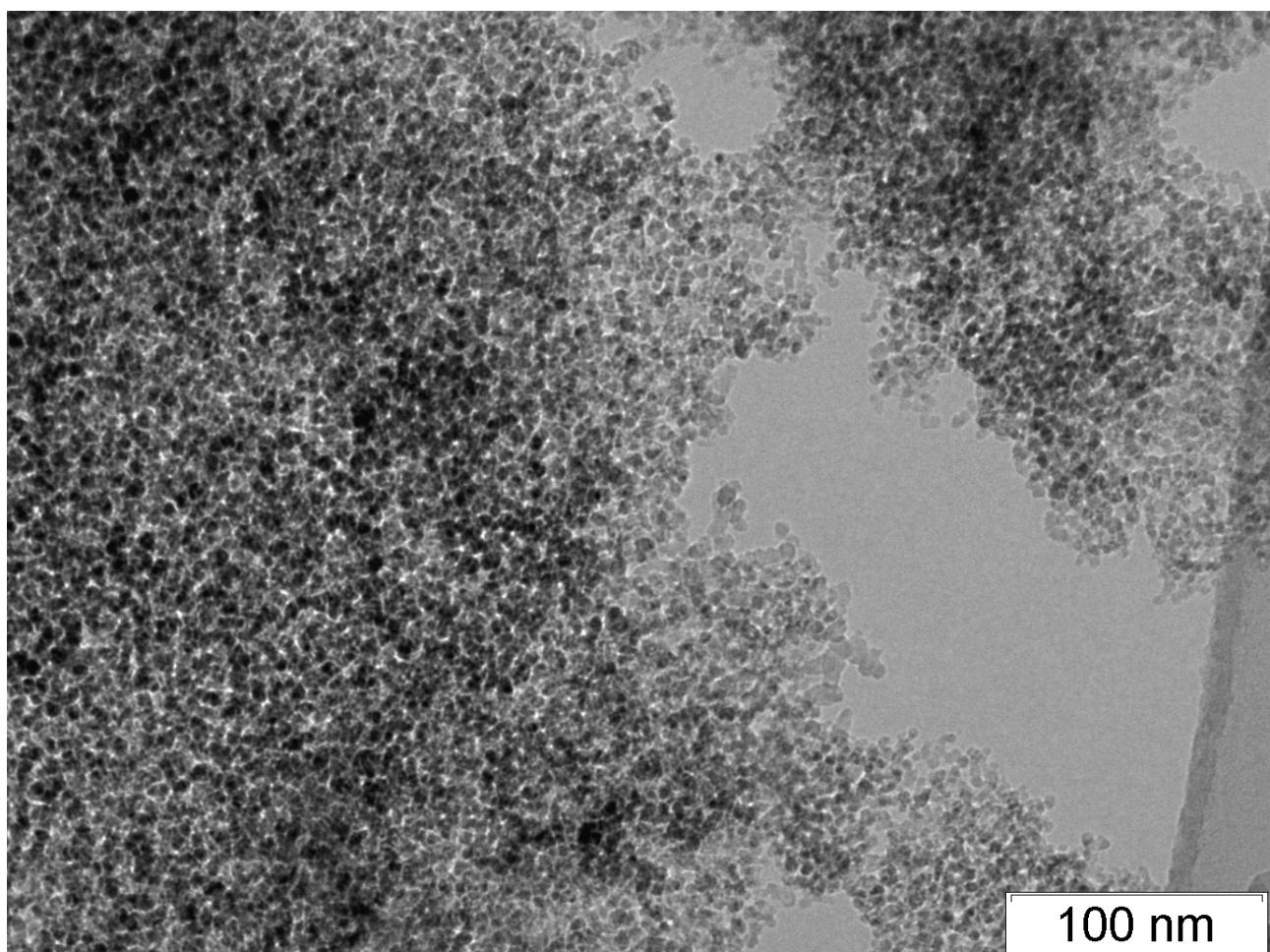
3 ТГ (50/50)

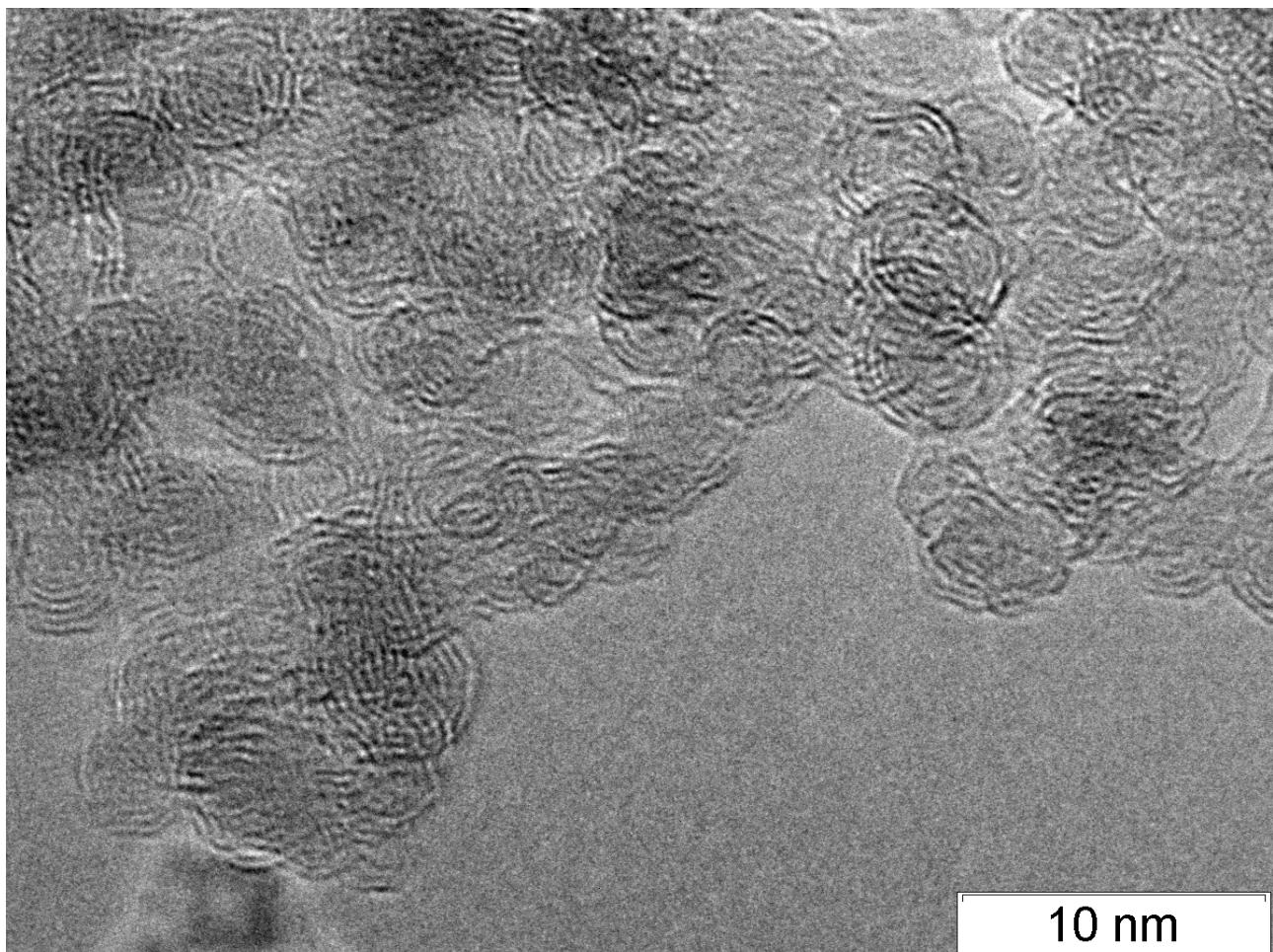
Литой заряд

Диаметр 20 мм

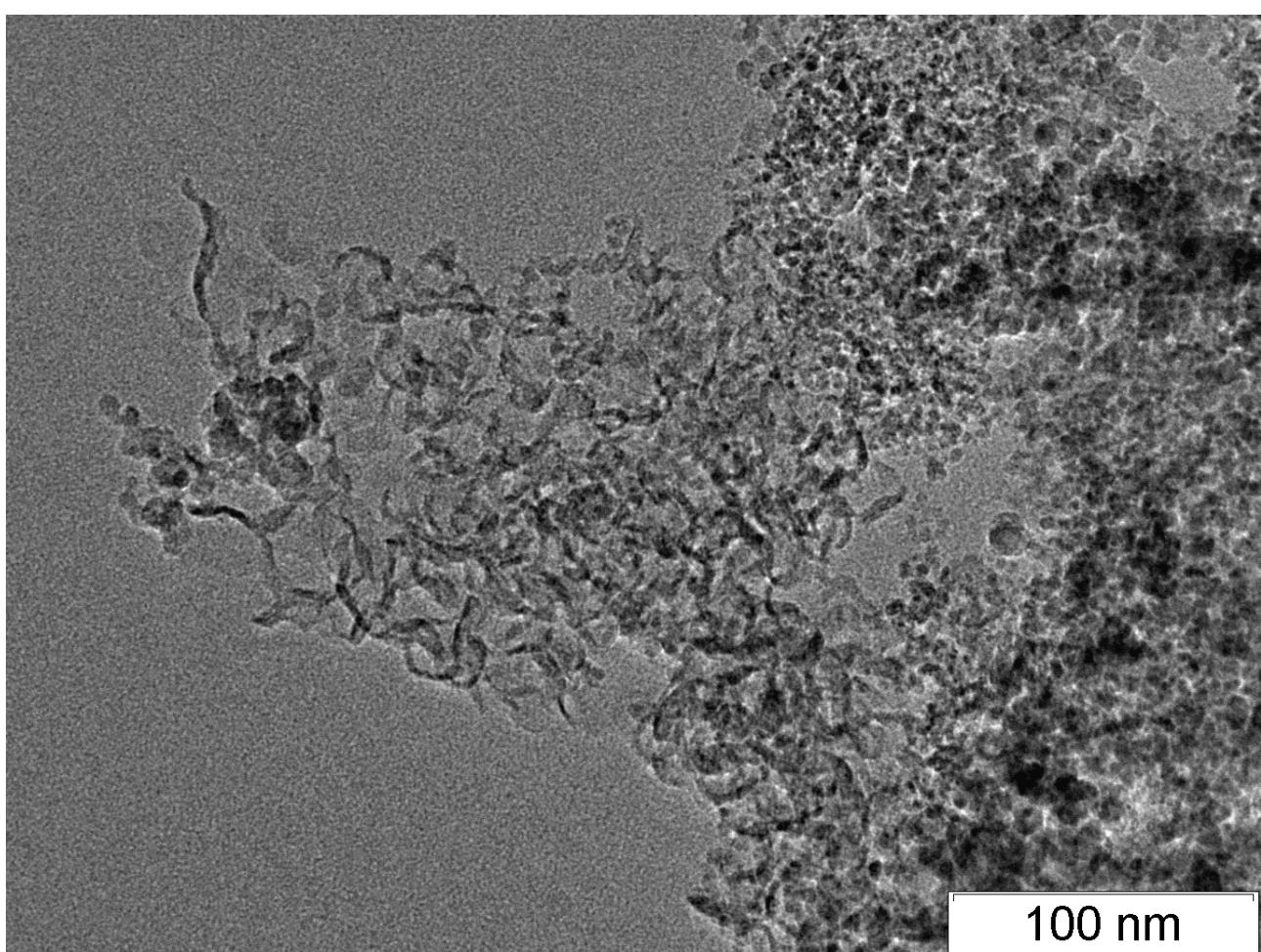
Масса: 15.5 г.



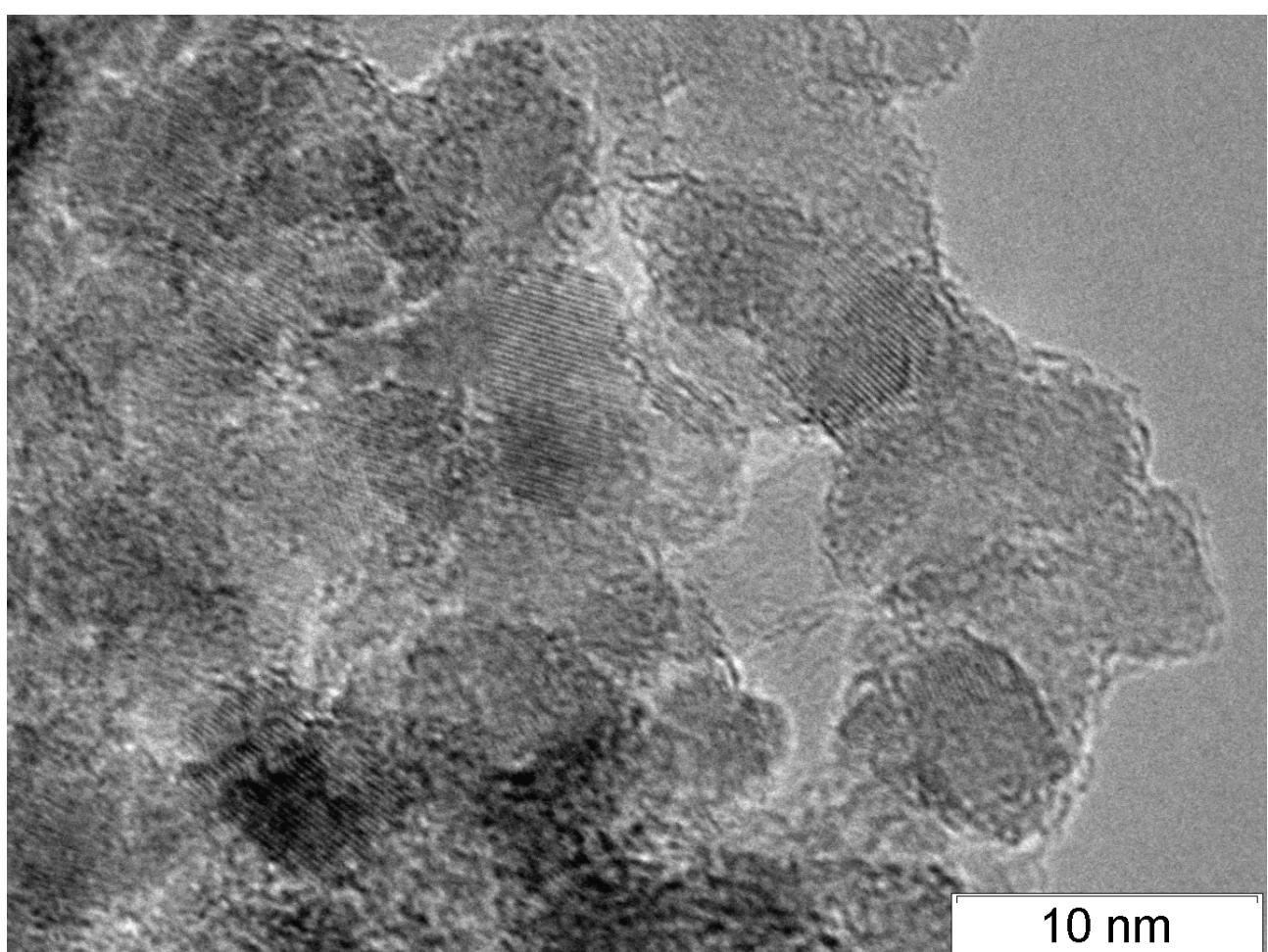
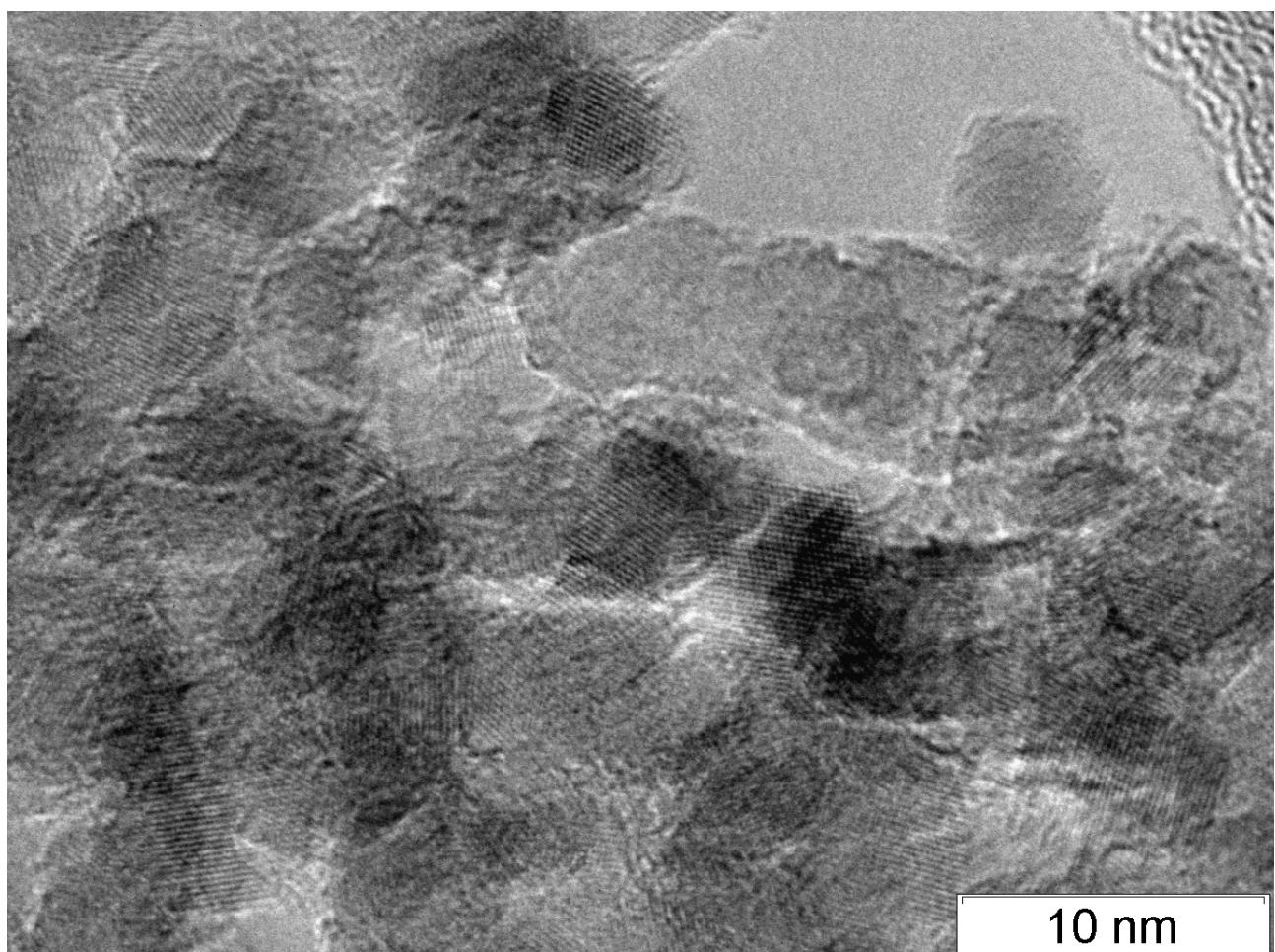


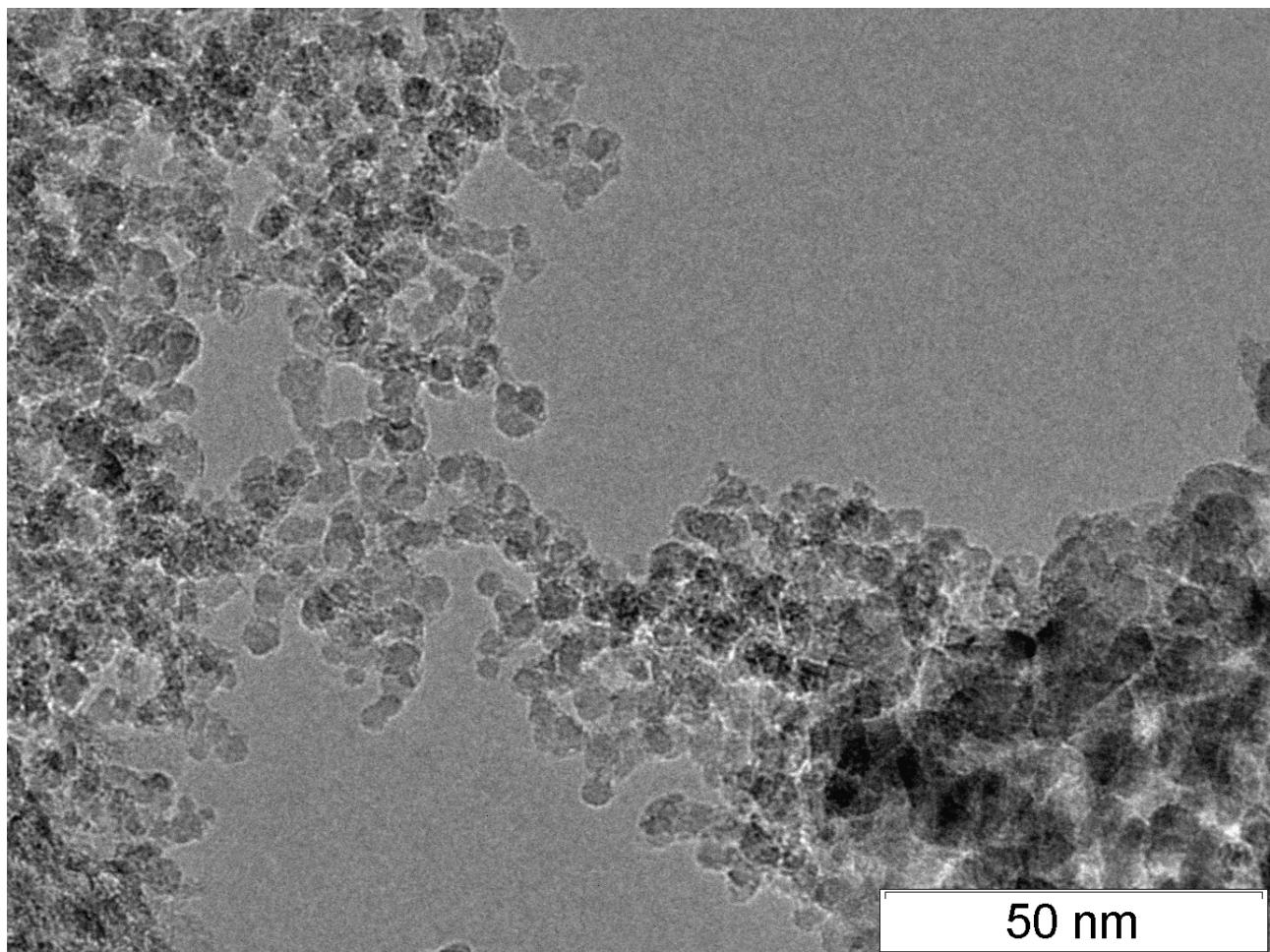


10 nm

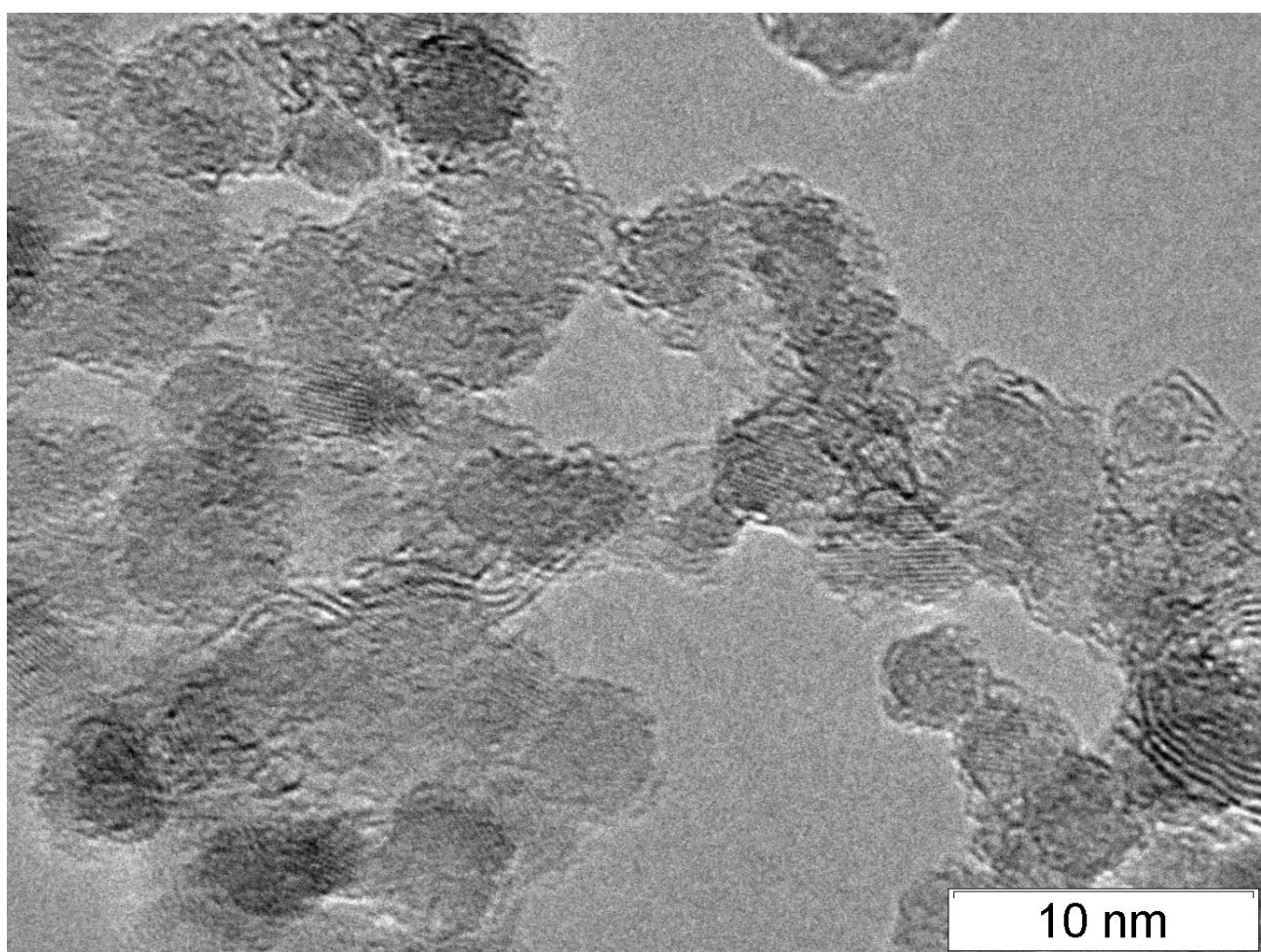


100 nm

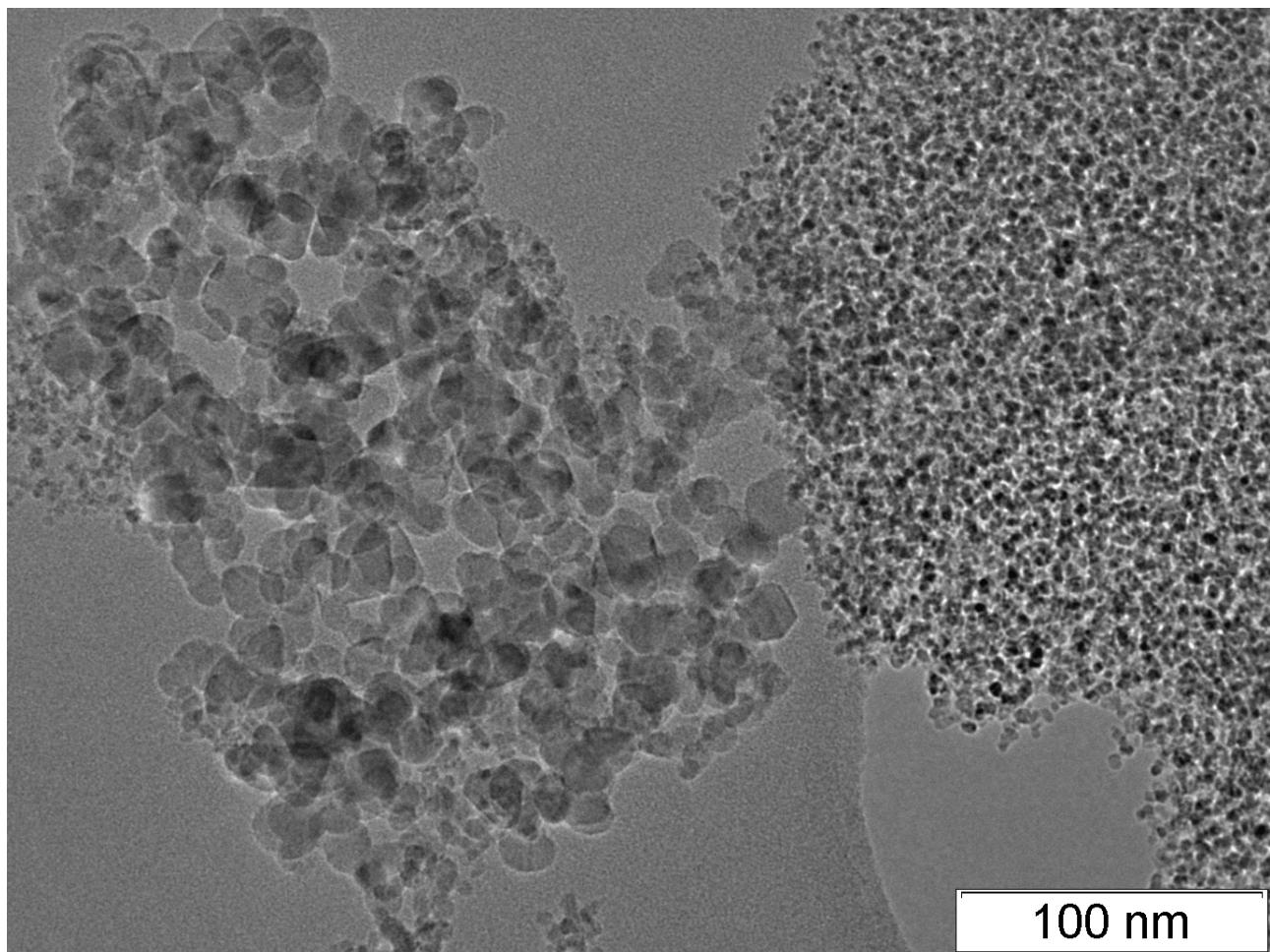




50 nm



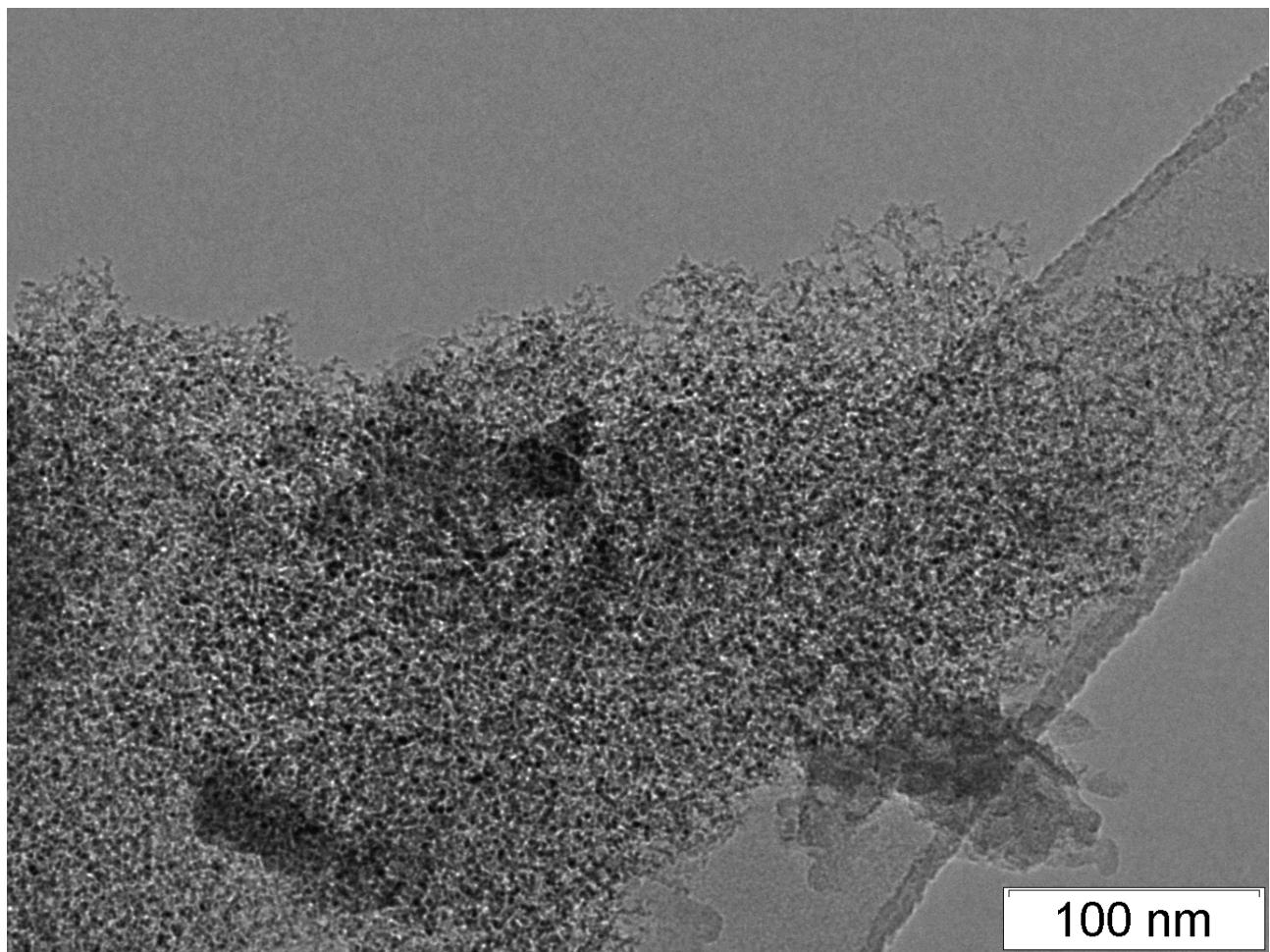
10 nm

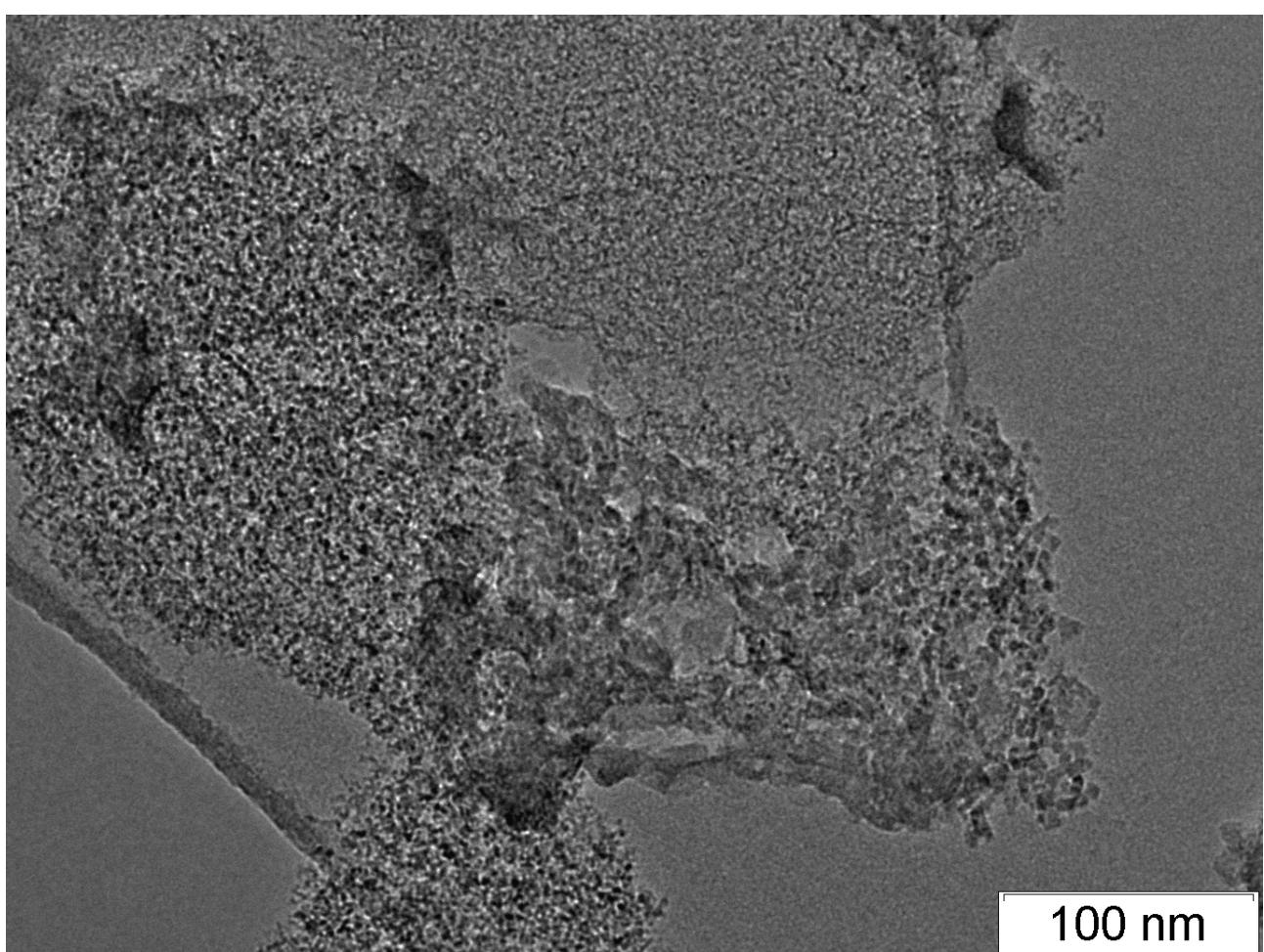
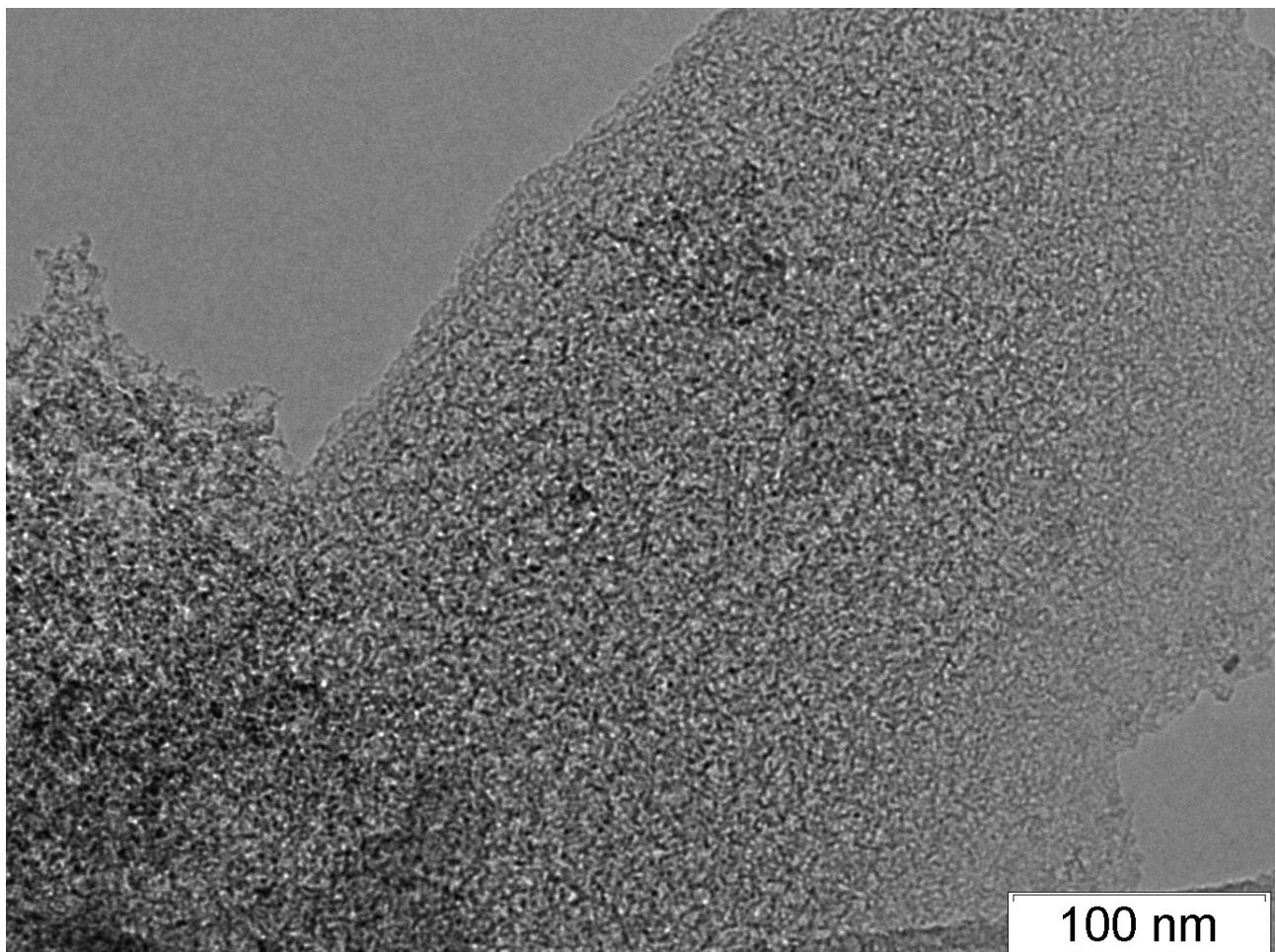


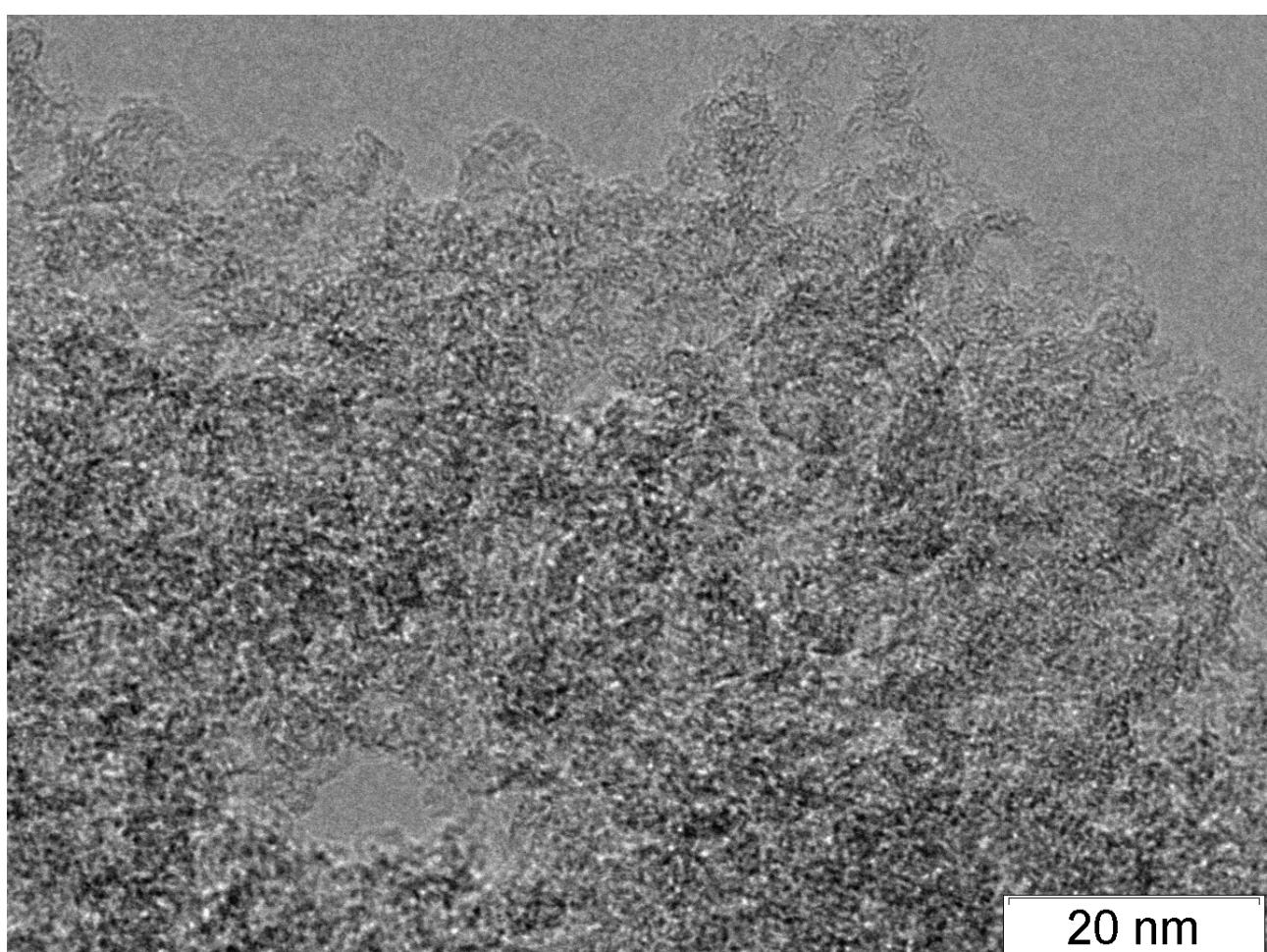
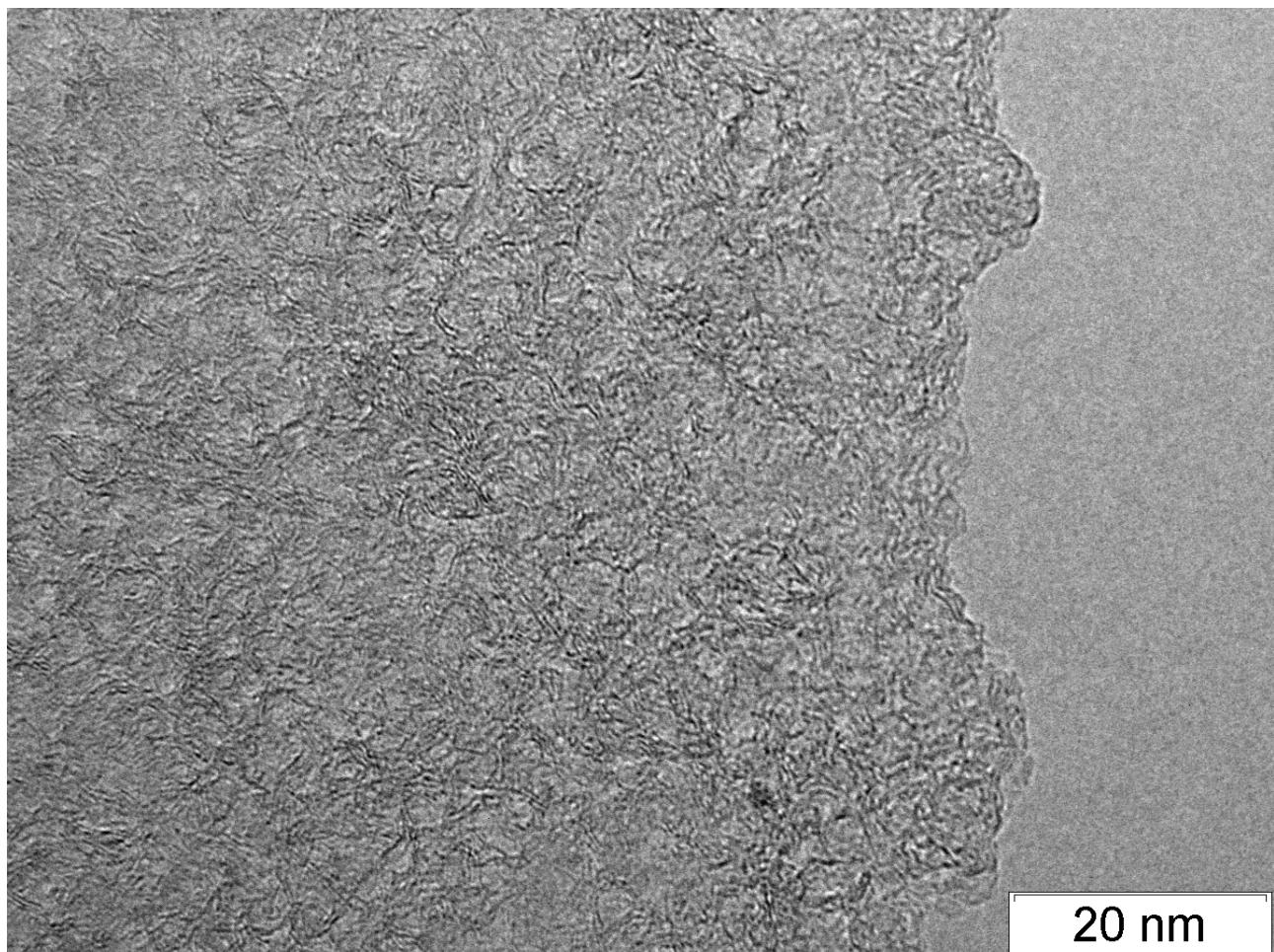
4 ТАТБ

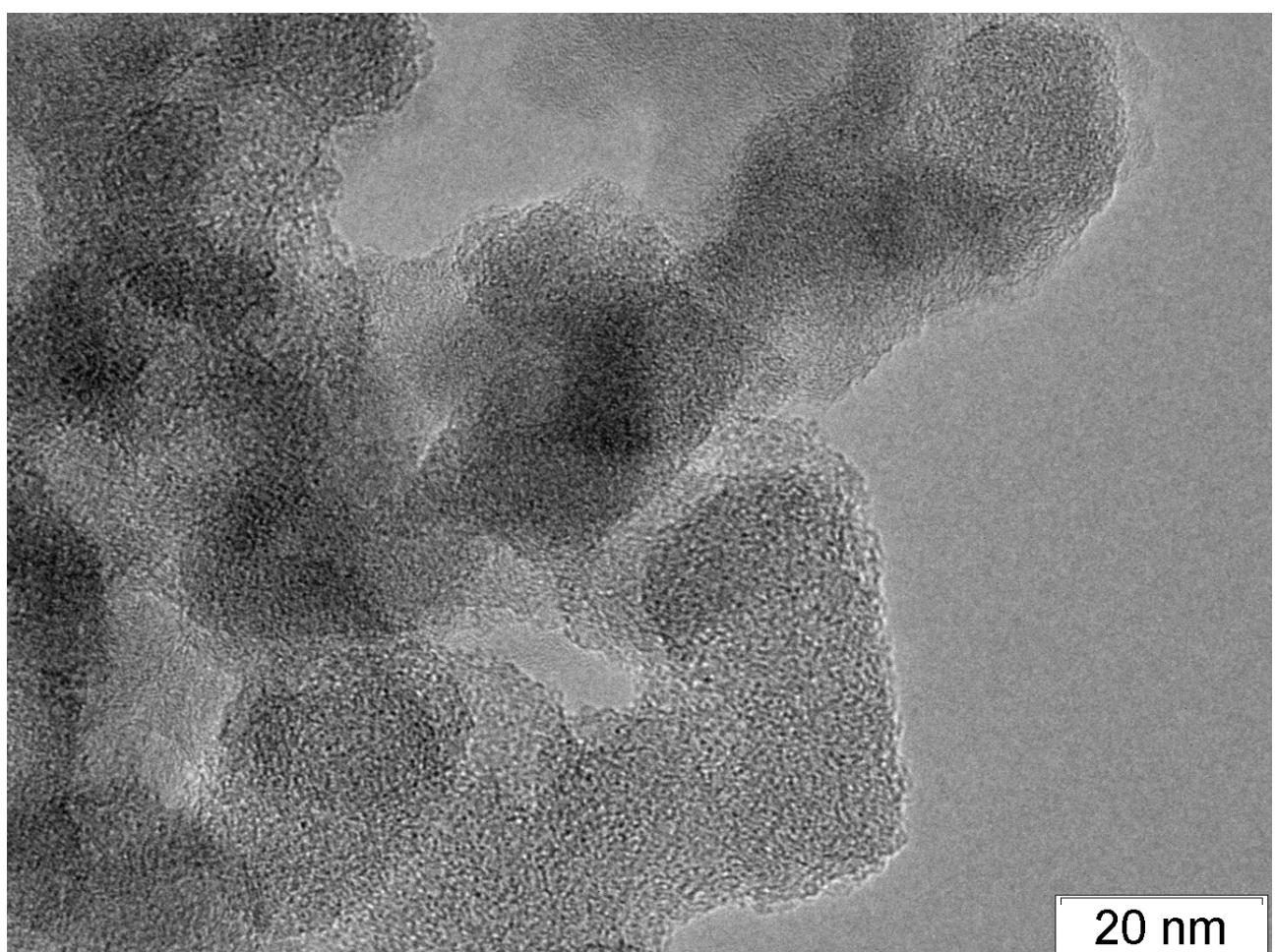
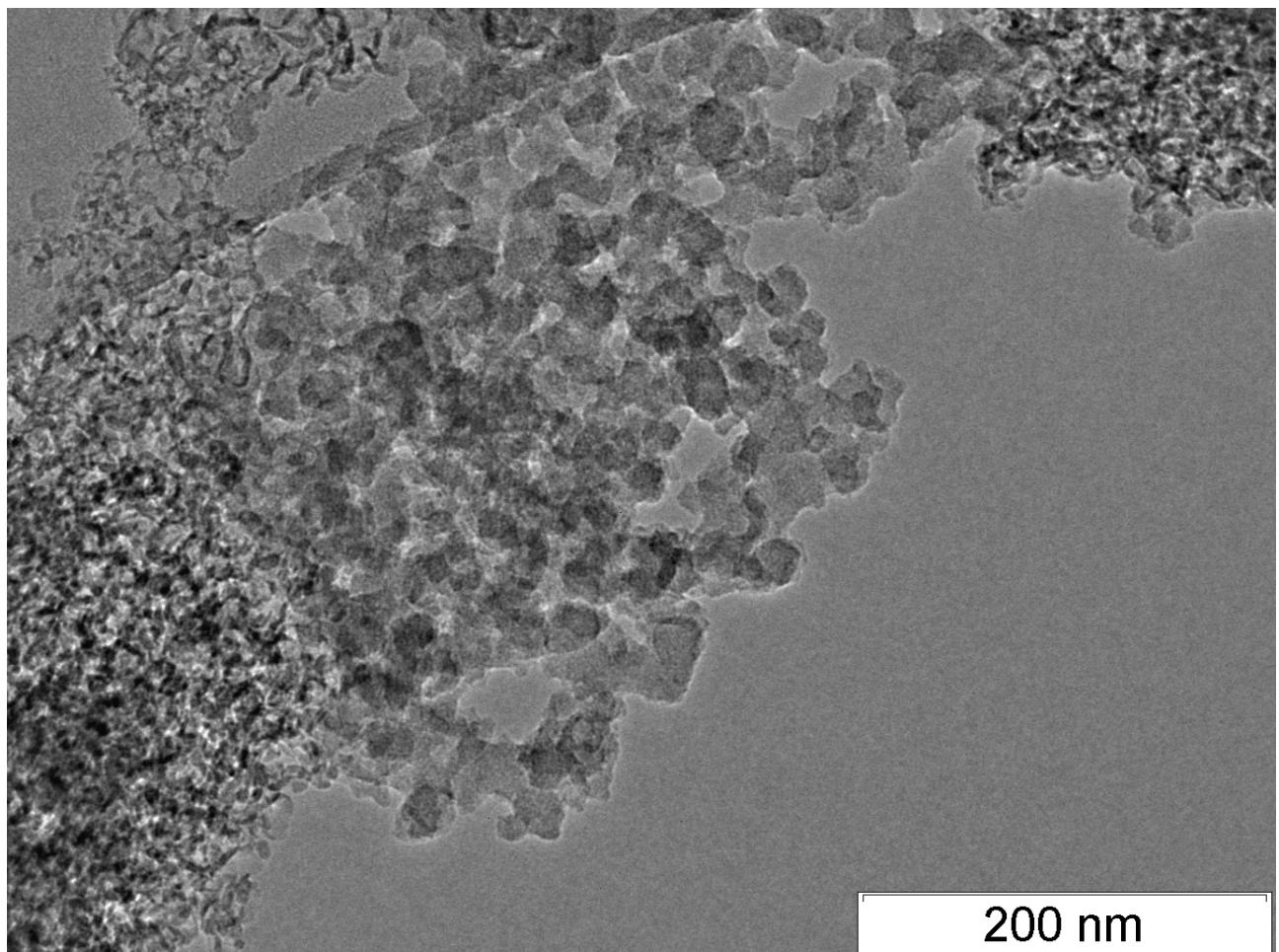
Диаметр 20 мм.

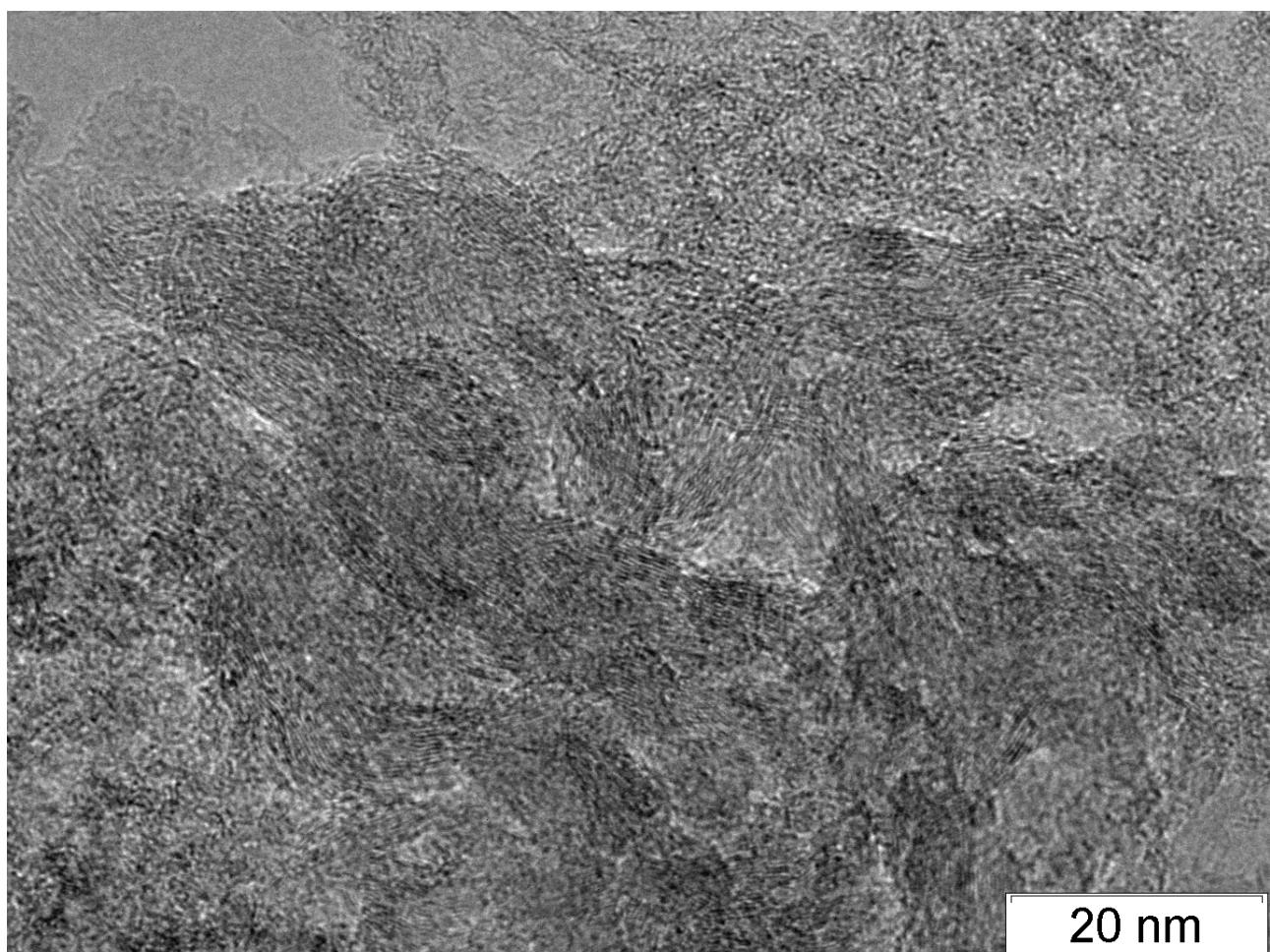
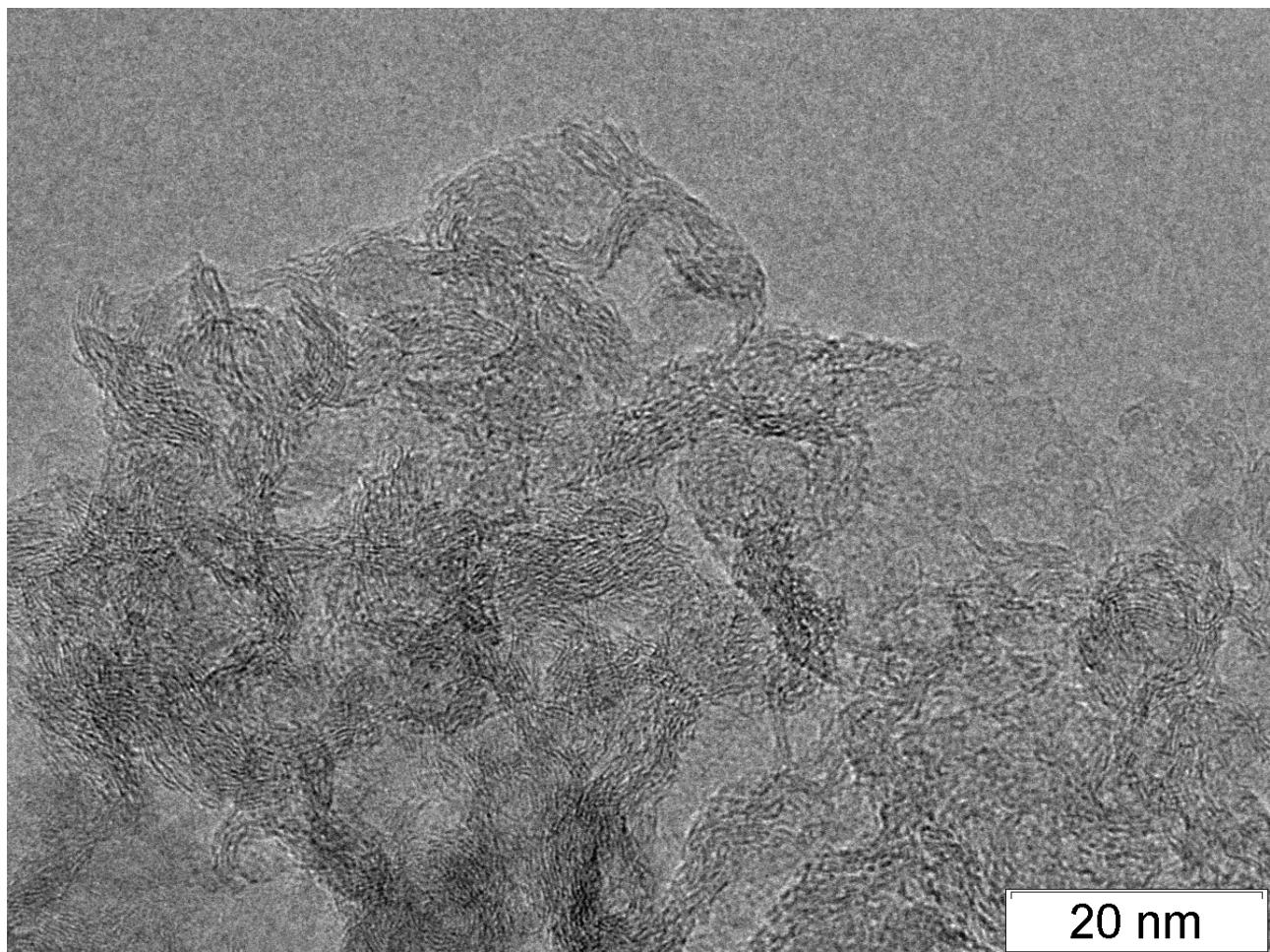
Масса: 22 г

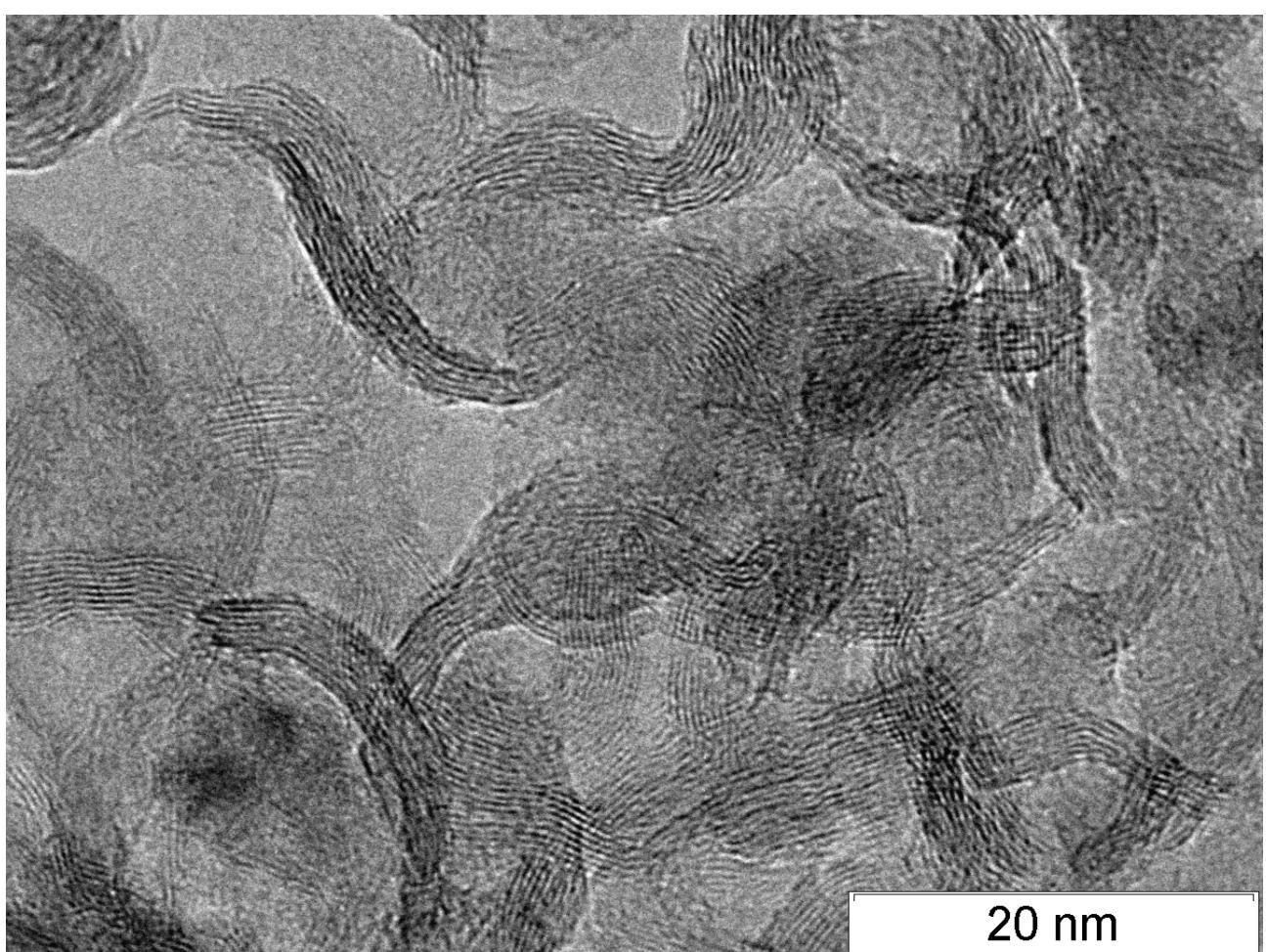
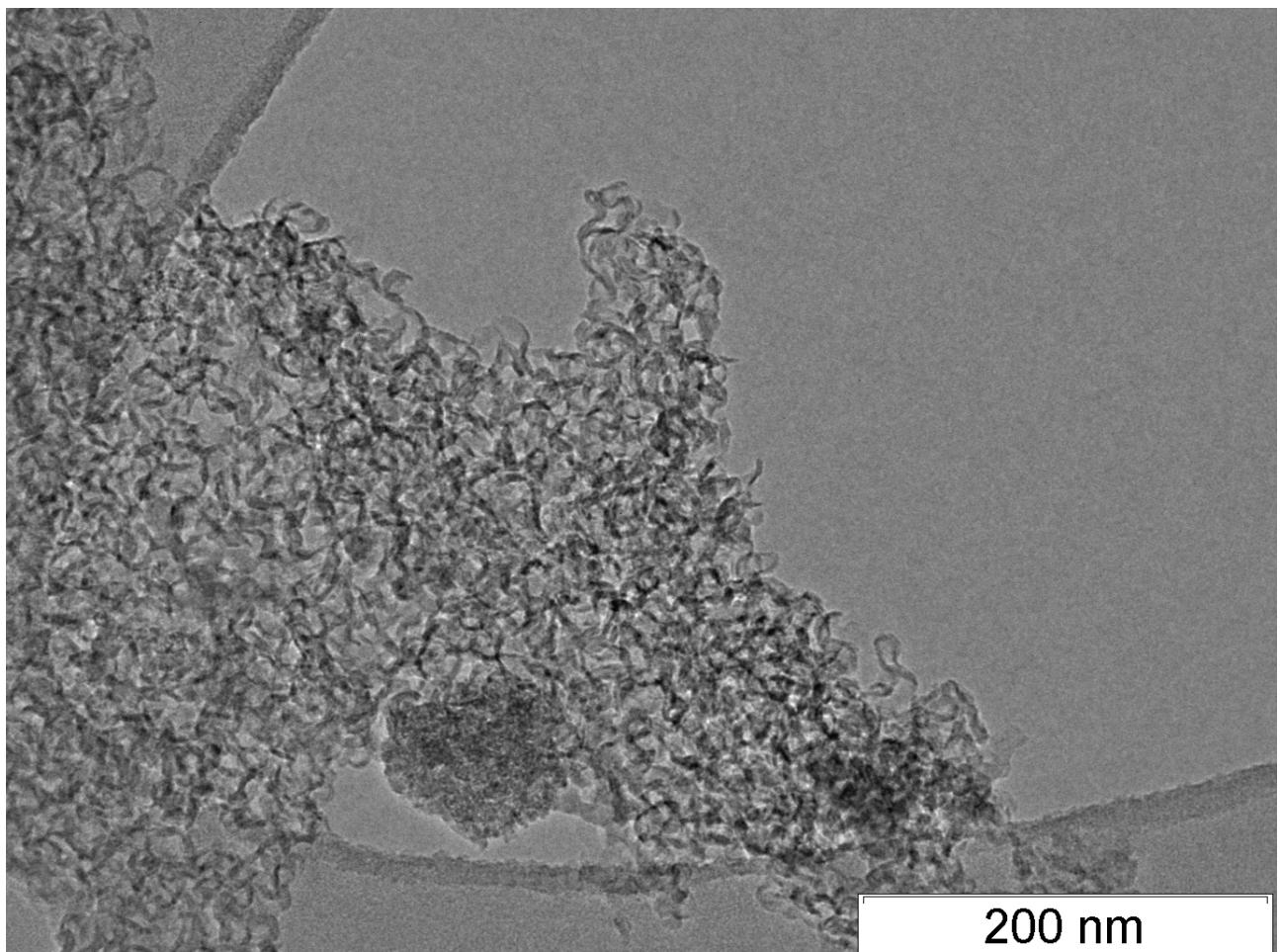








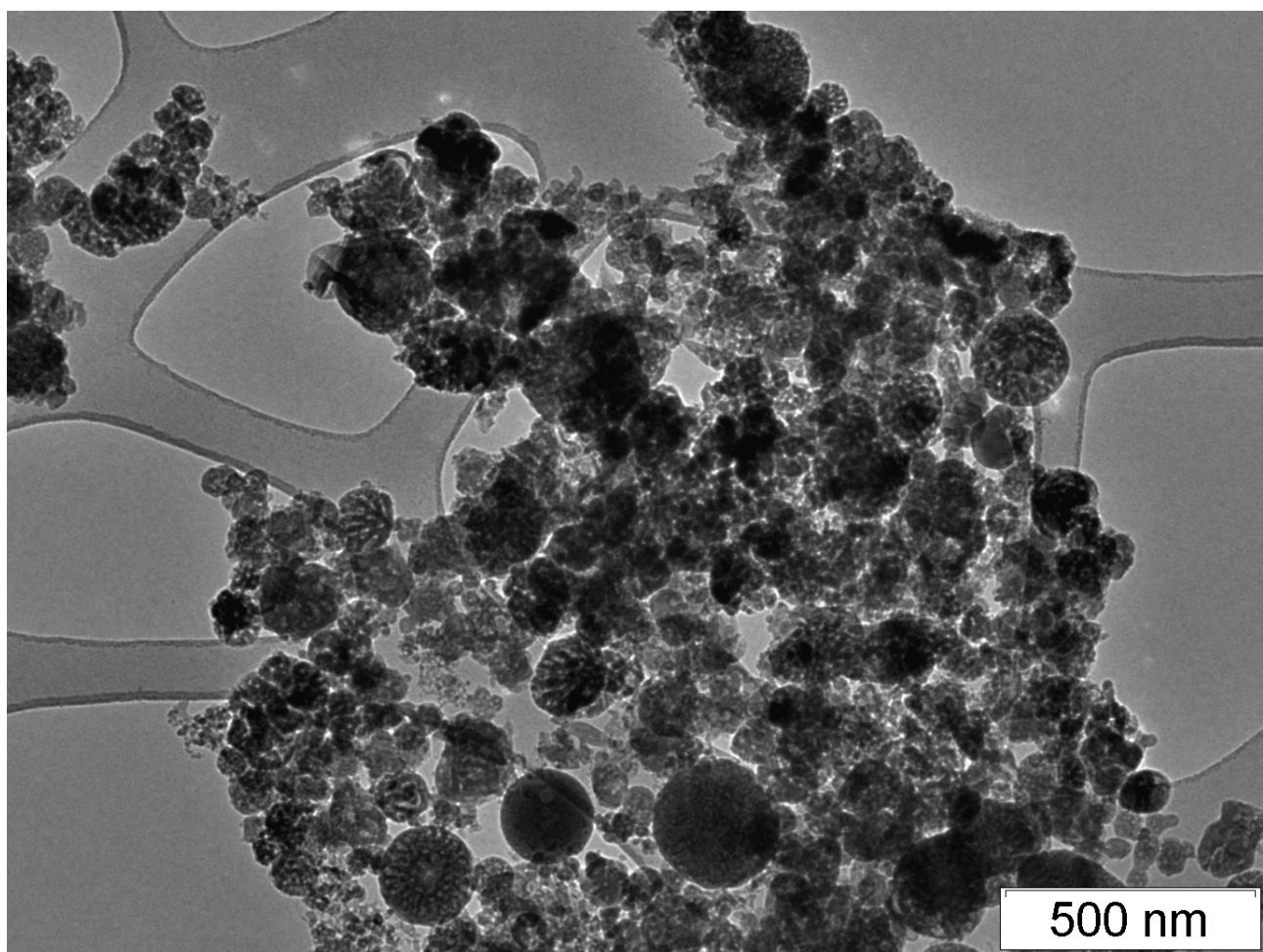


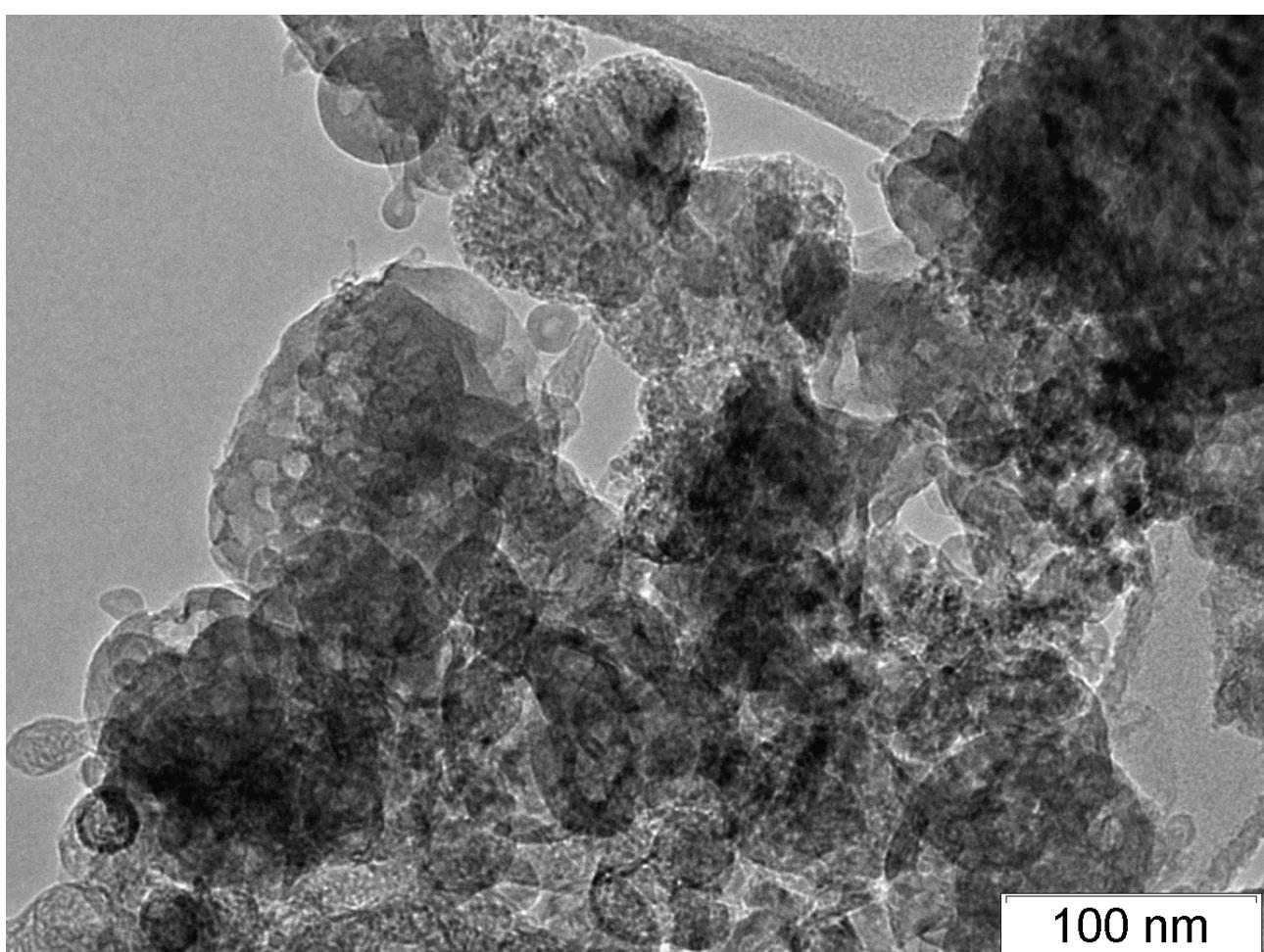
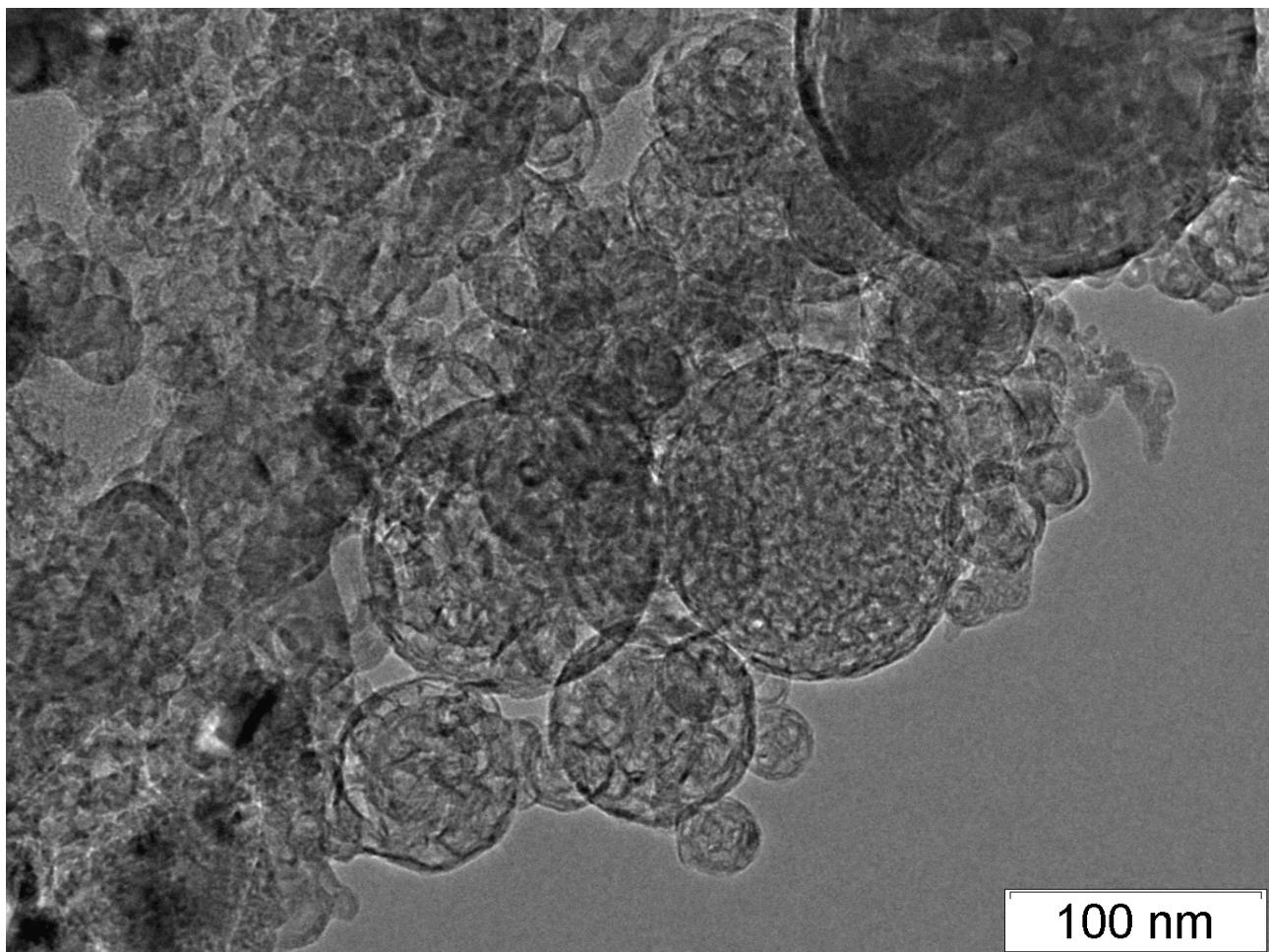


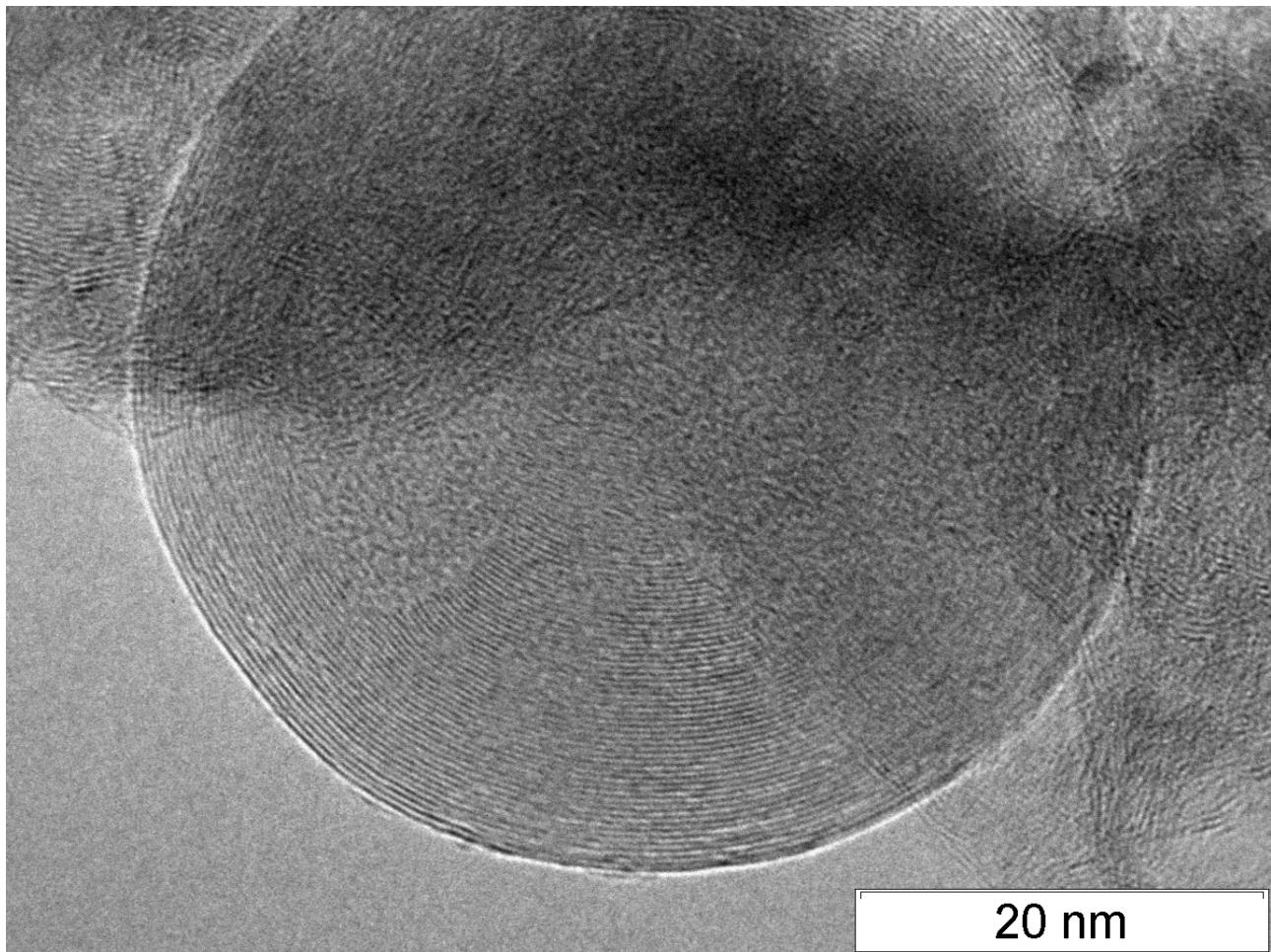
5 БТФ прессованный

Плотность: 1.80 г/см³

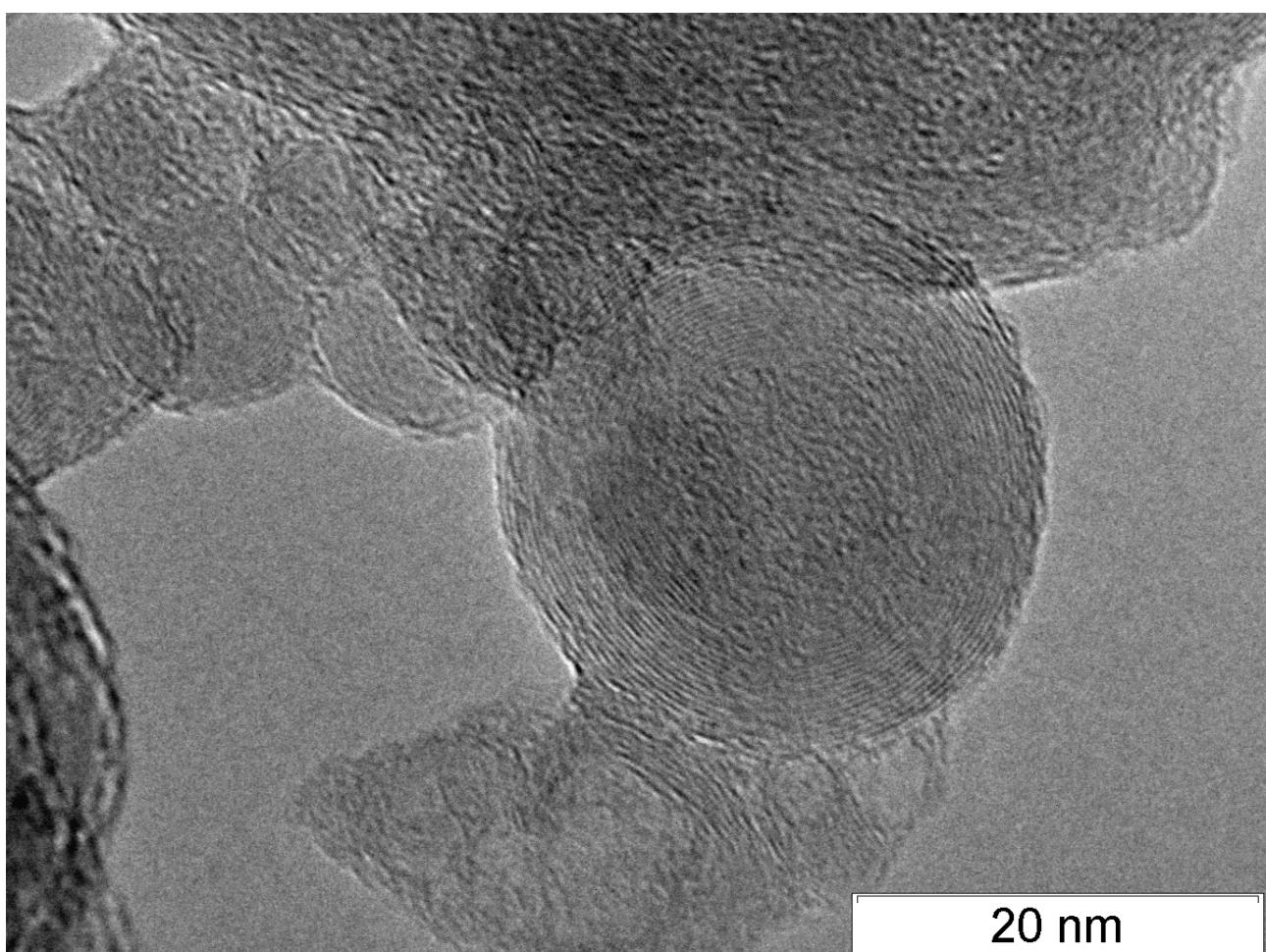
Масса: 17 г



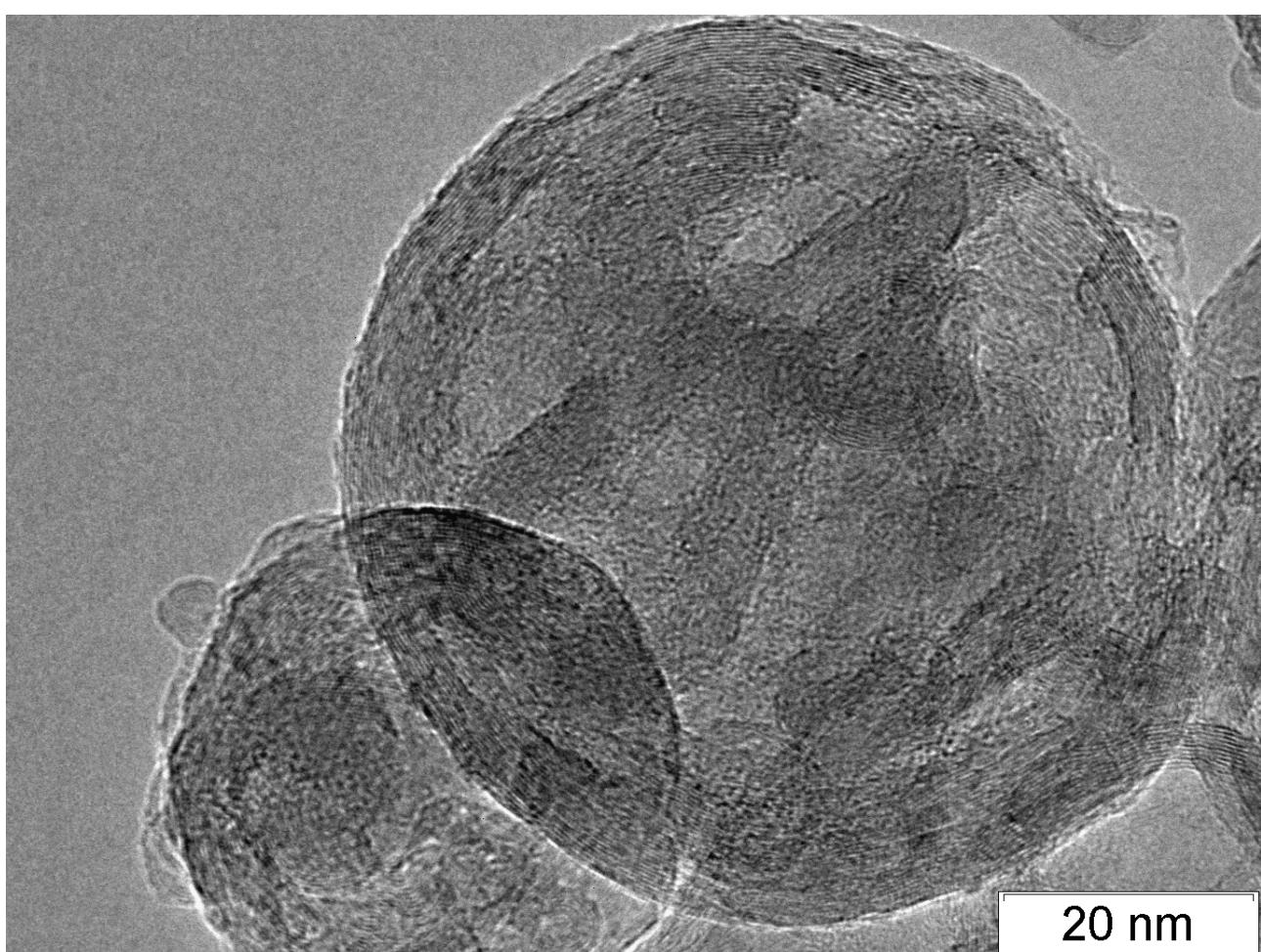
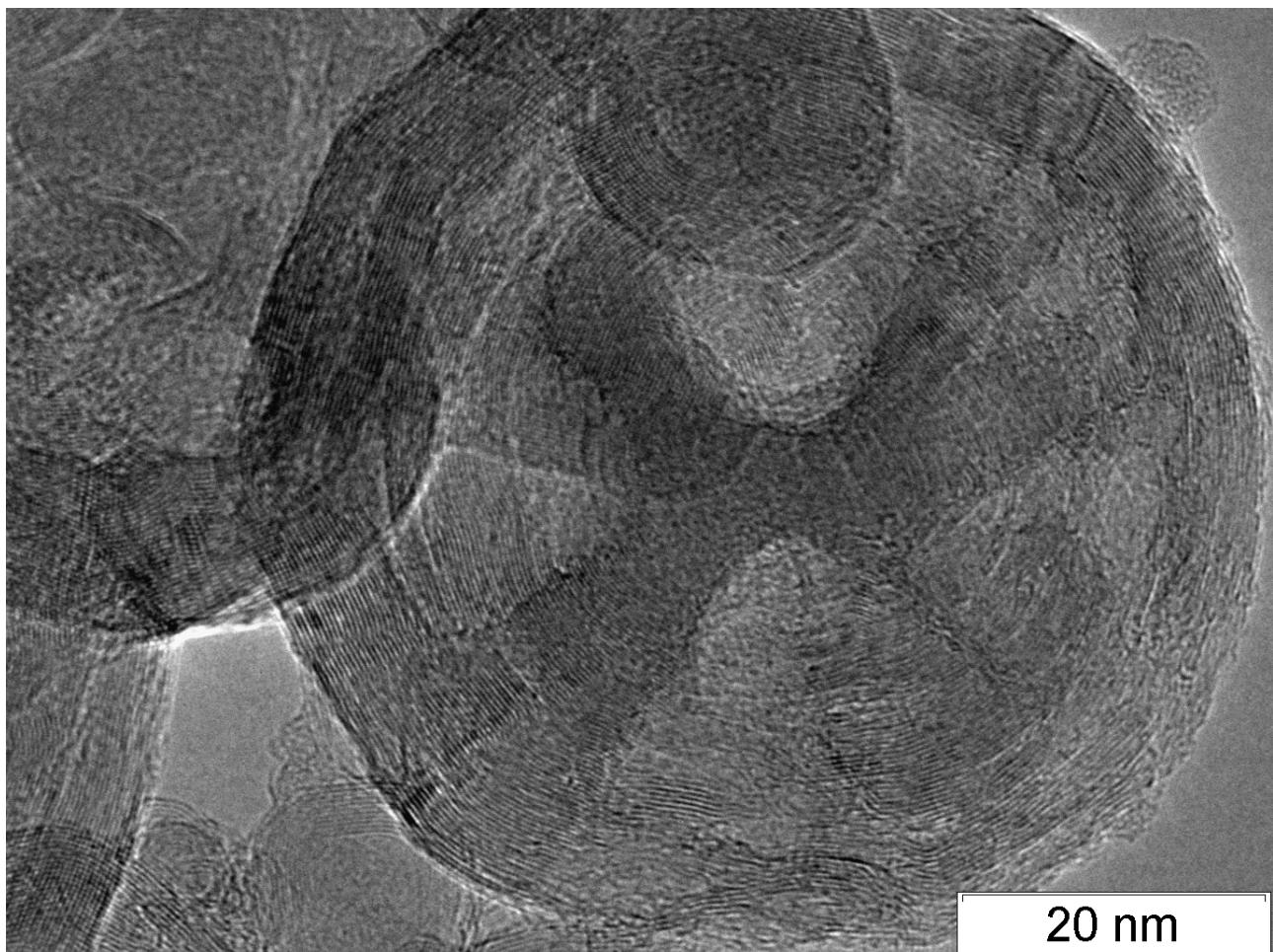


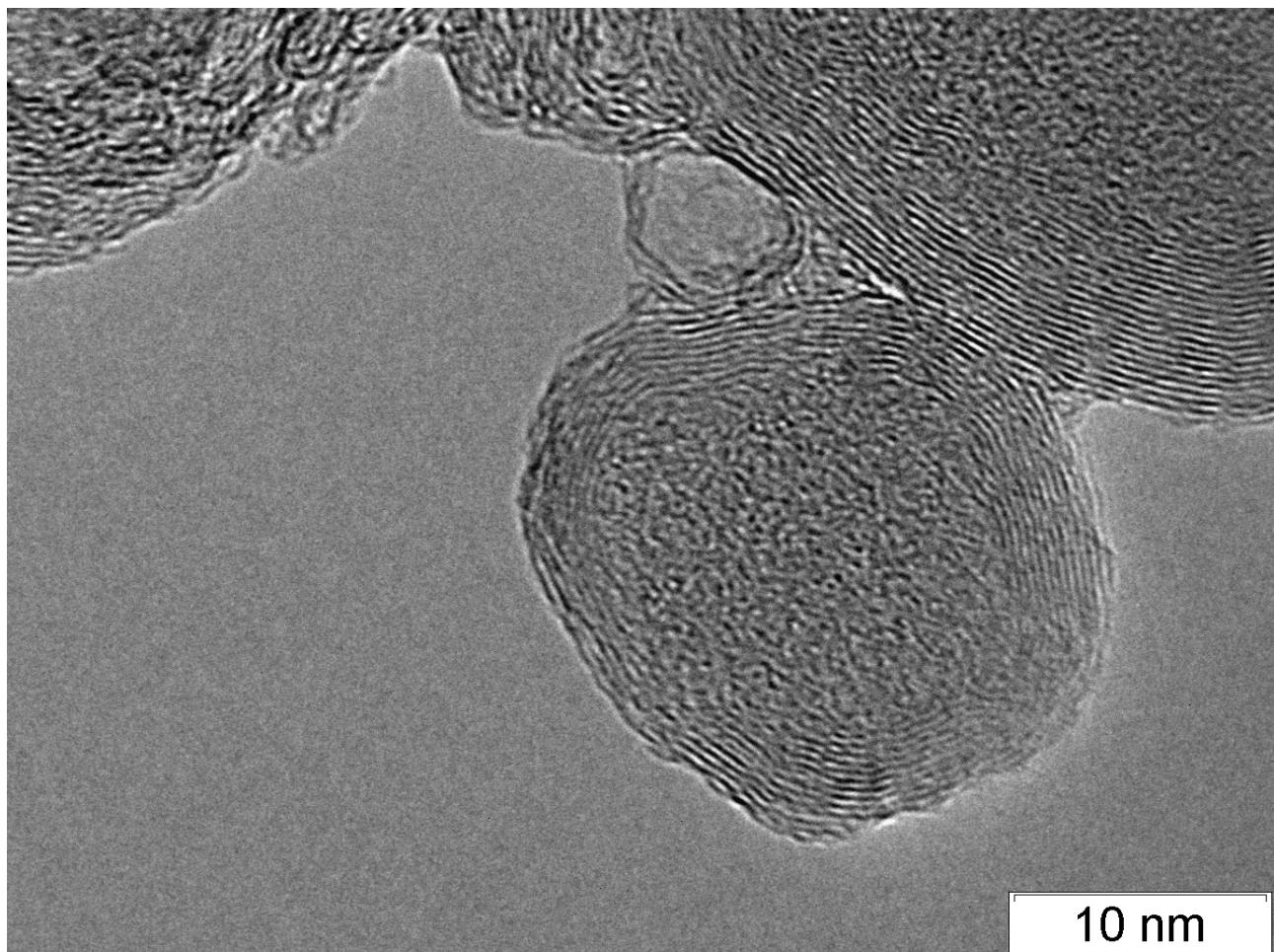


20 nm

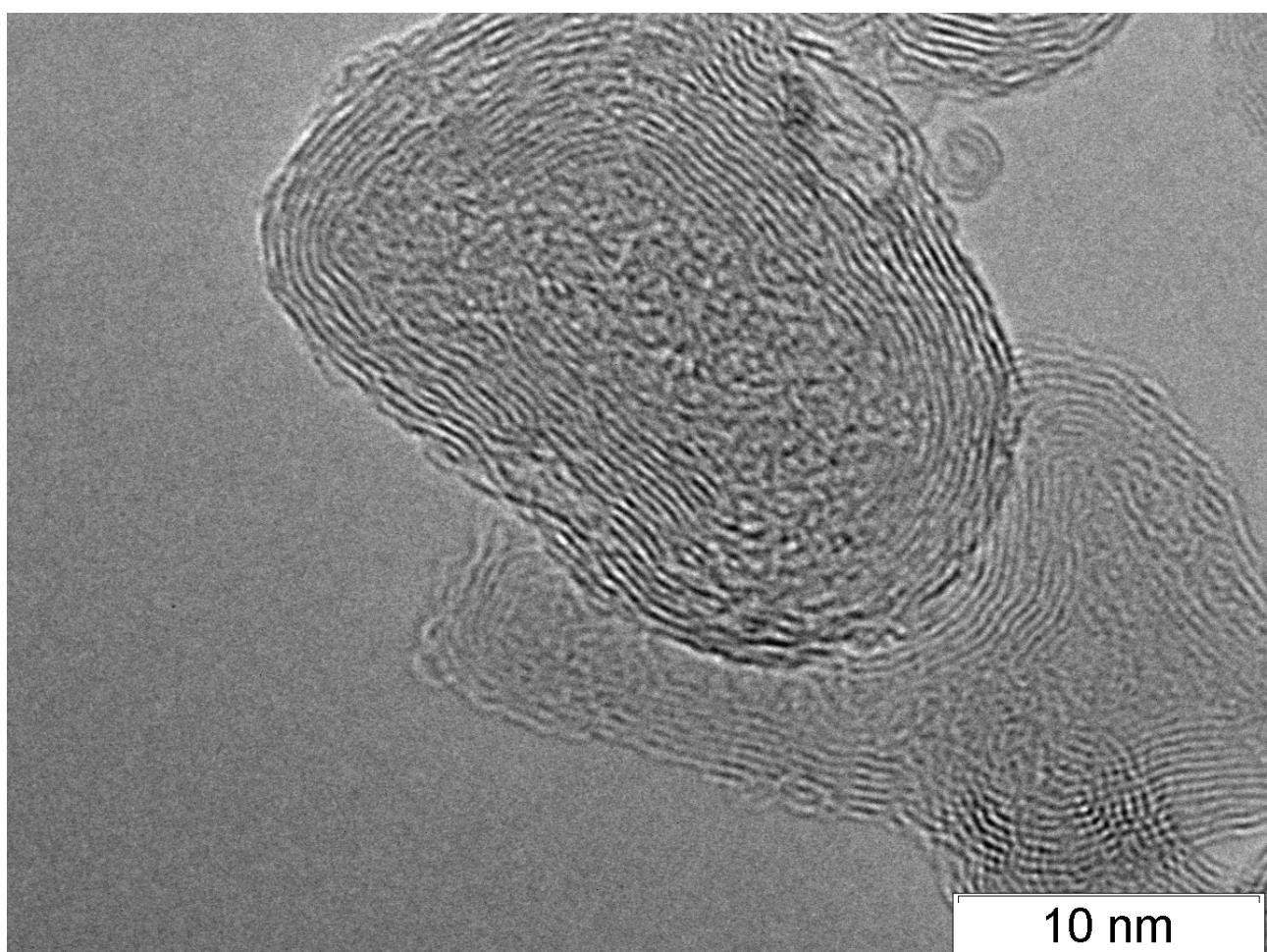


20 nm

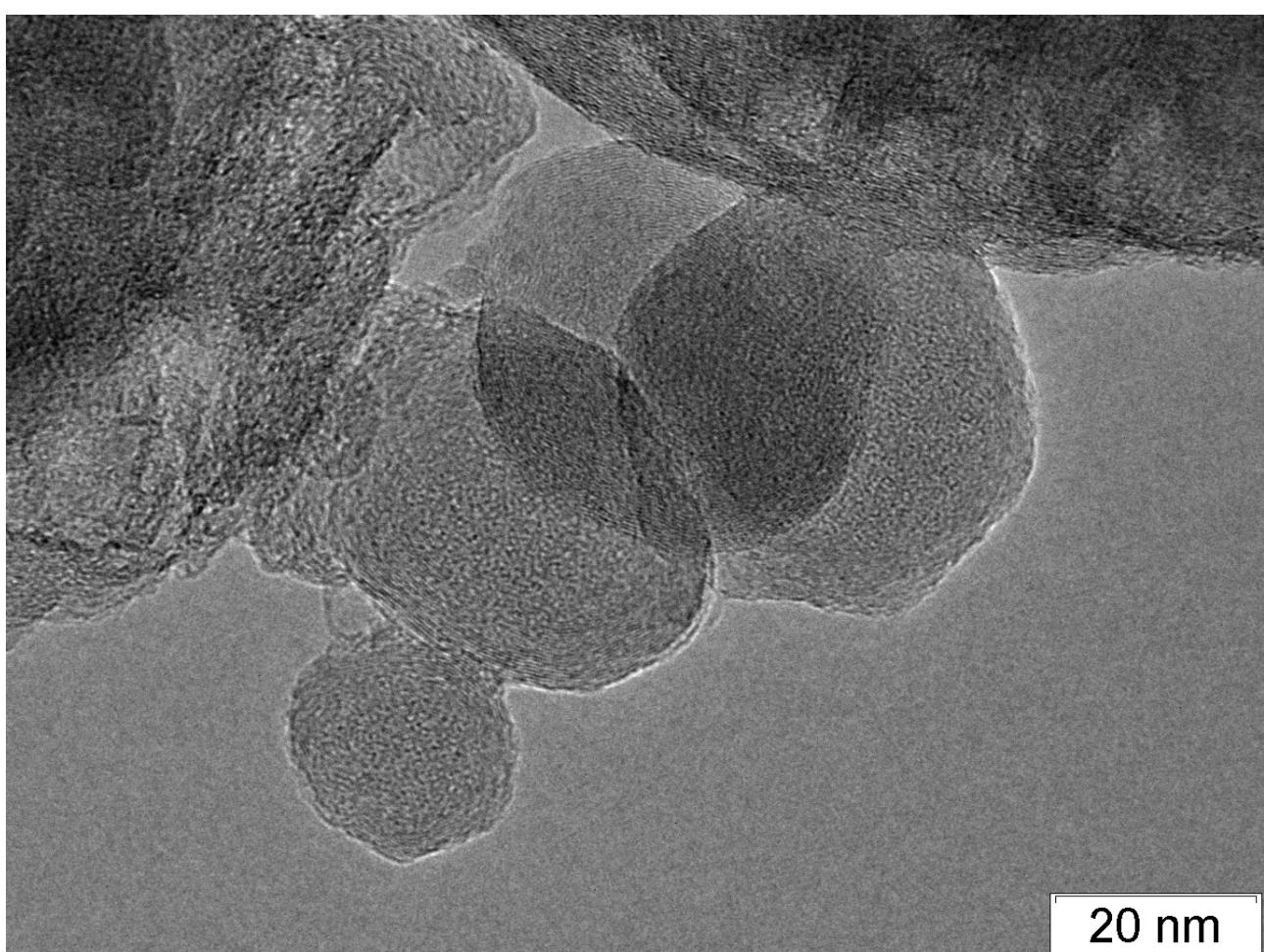
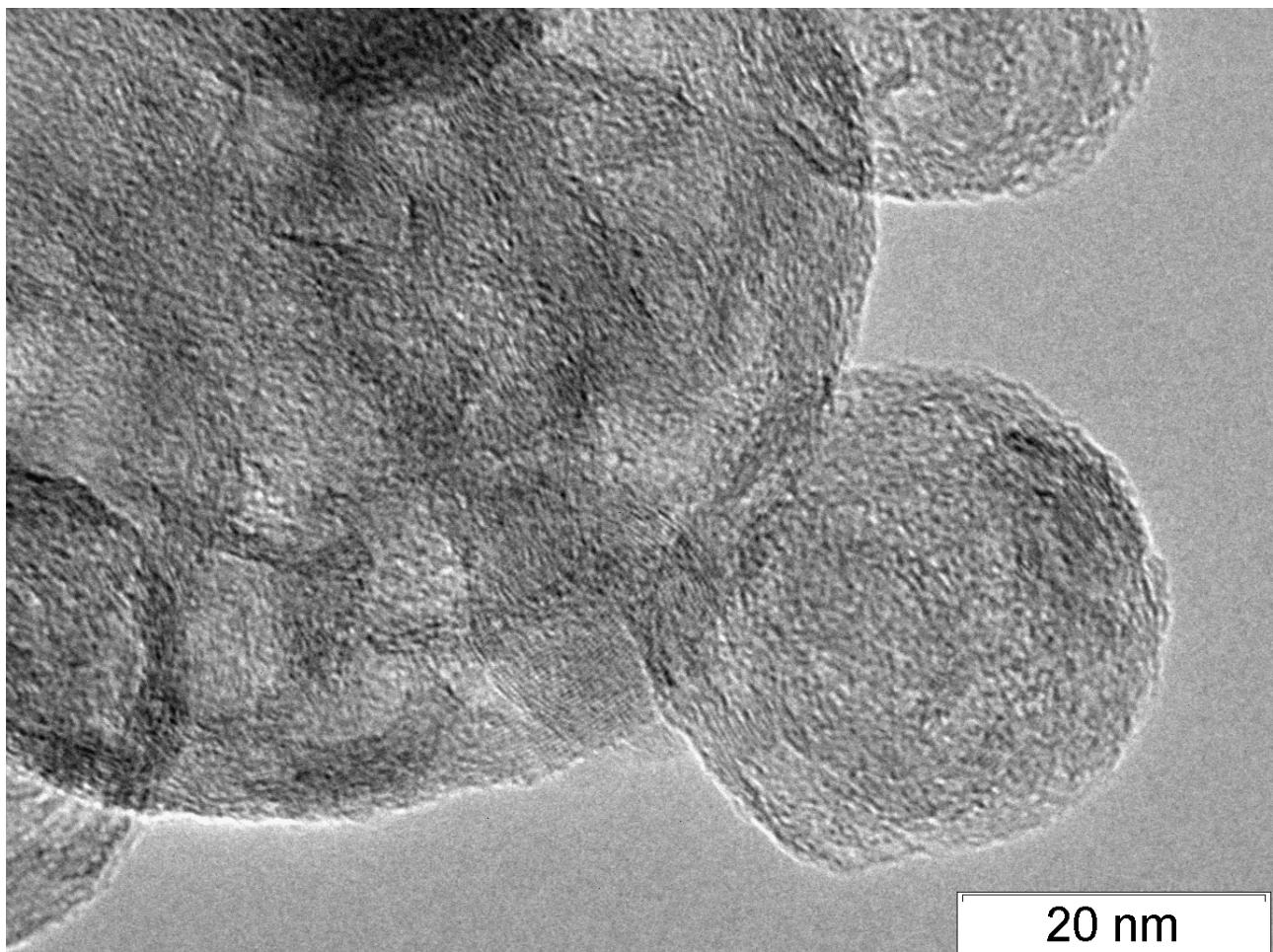


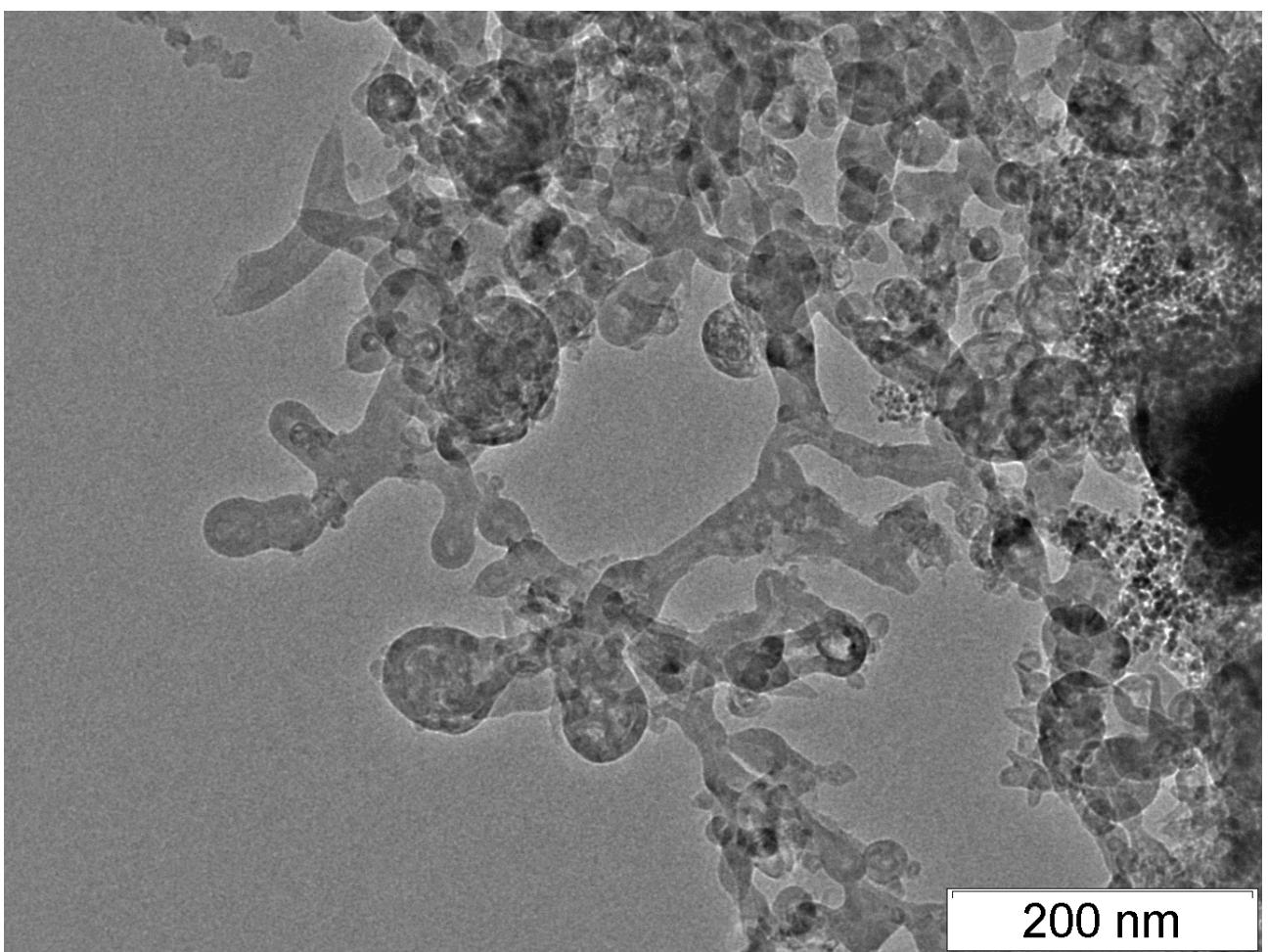
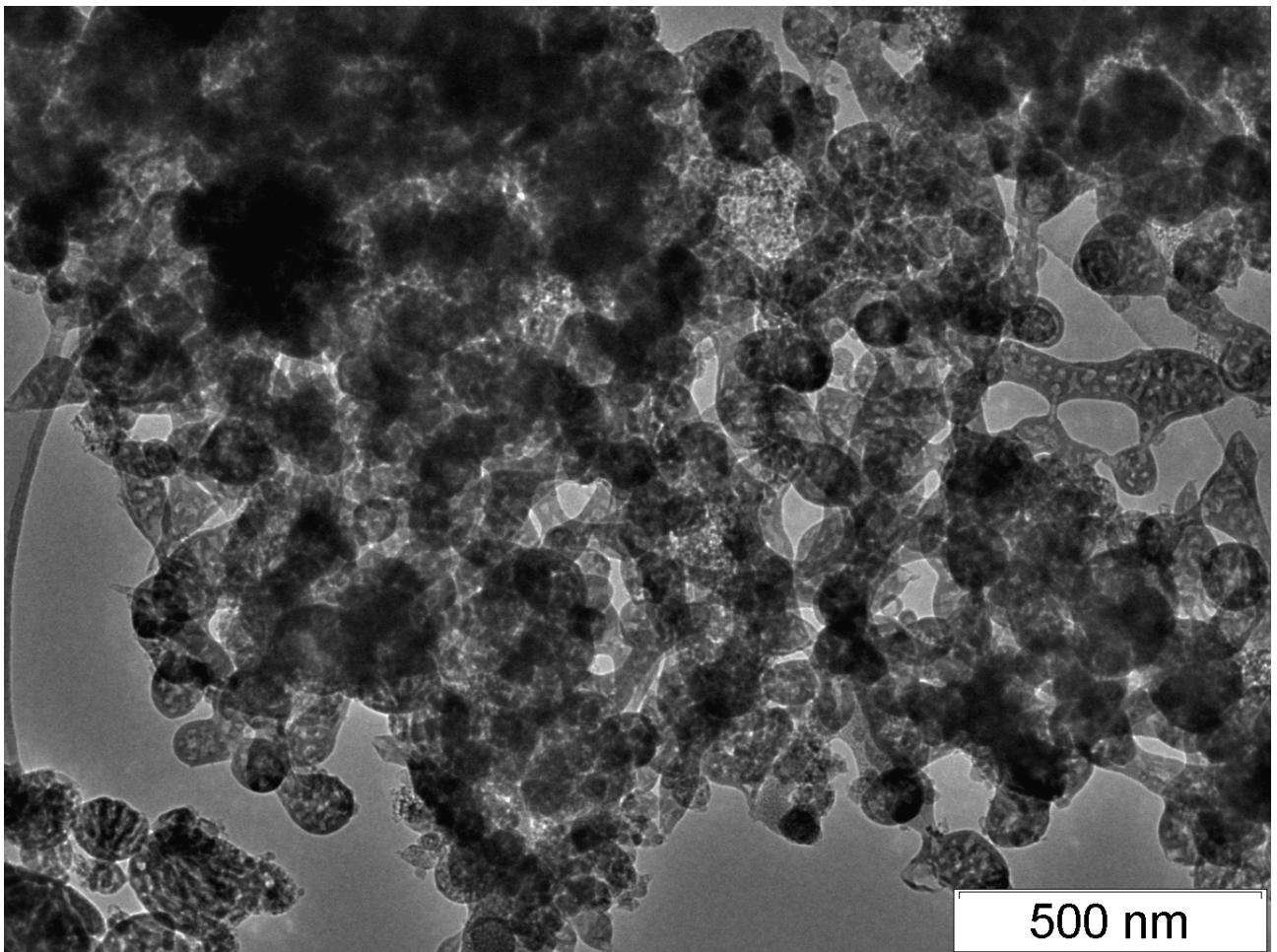


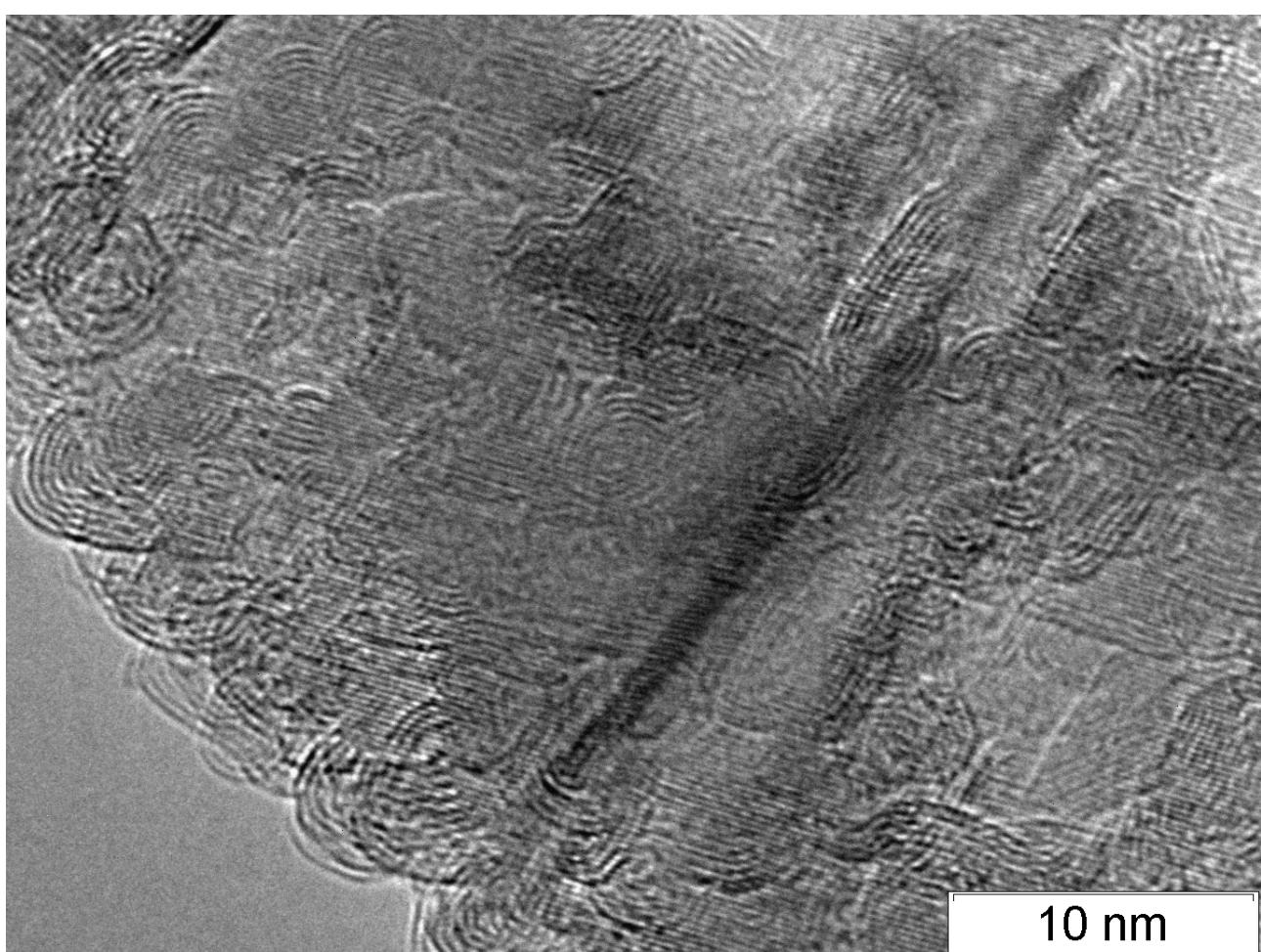
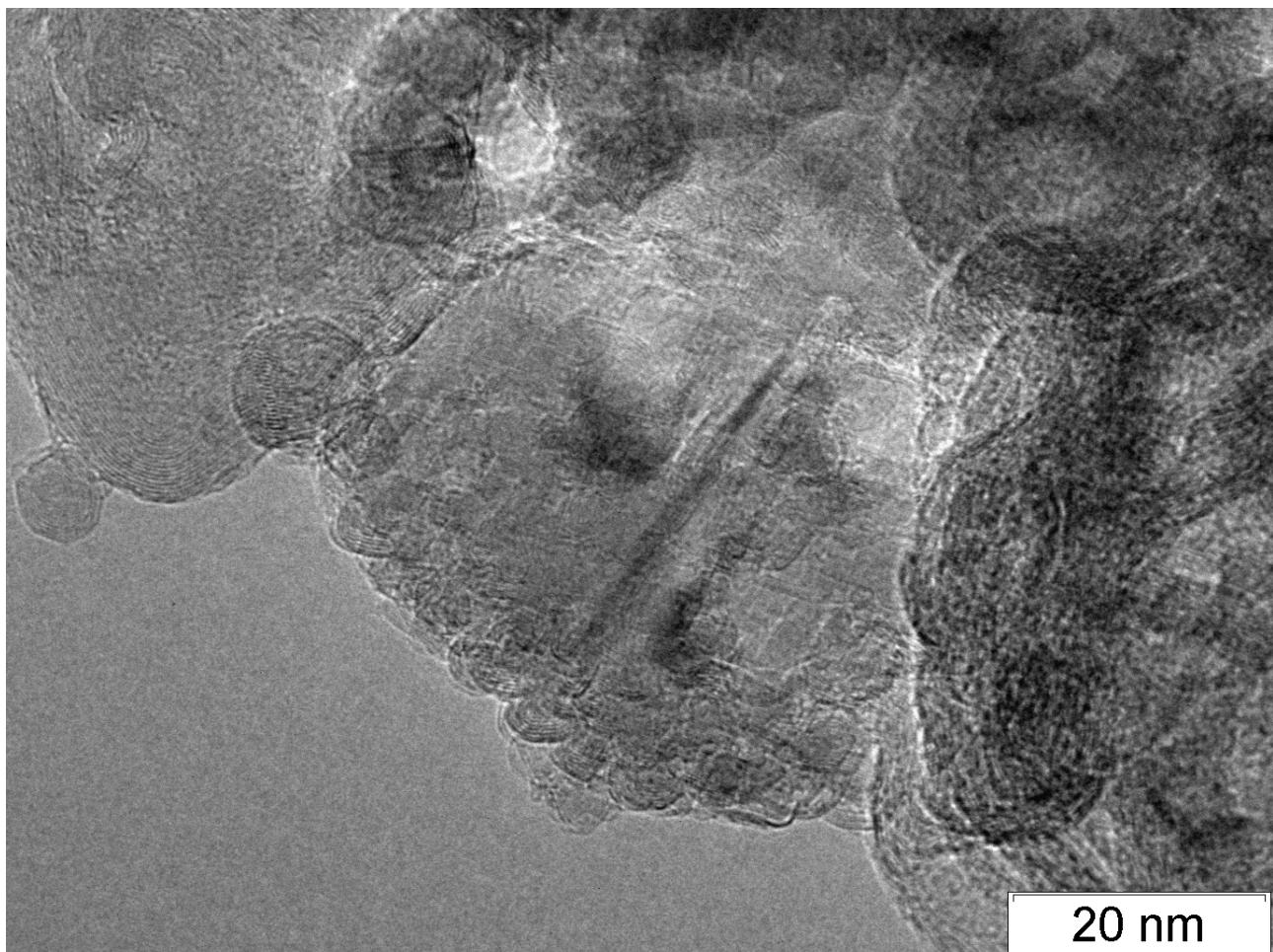
10 nm



10 nm



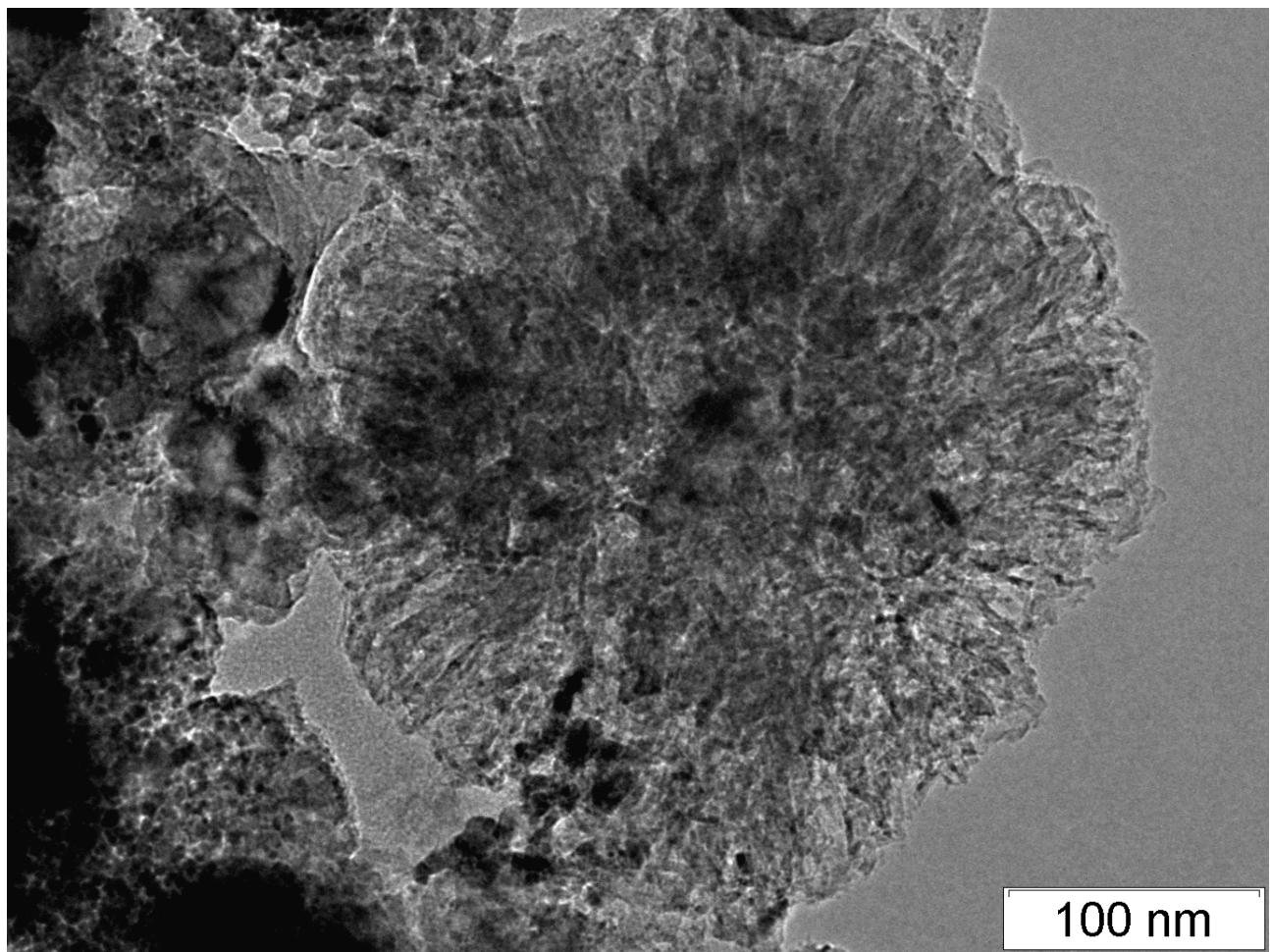


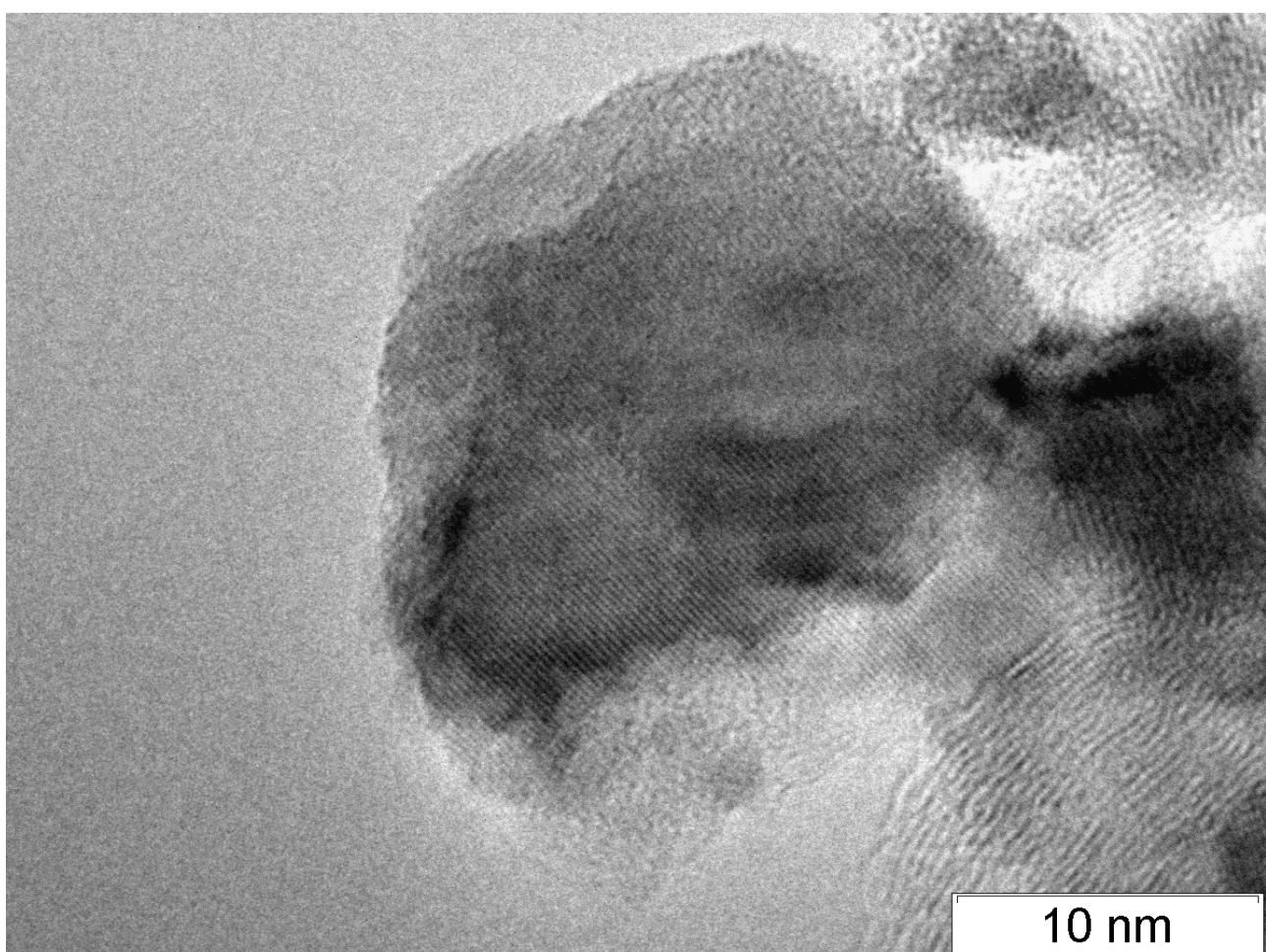
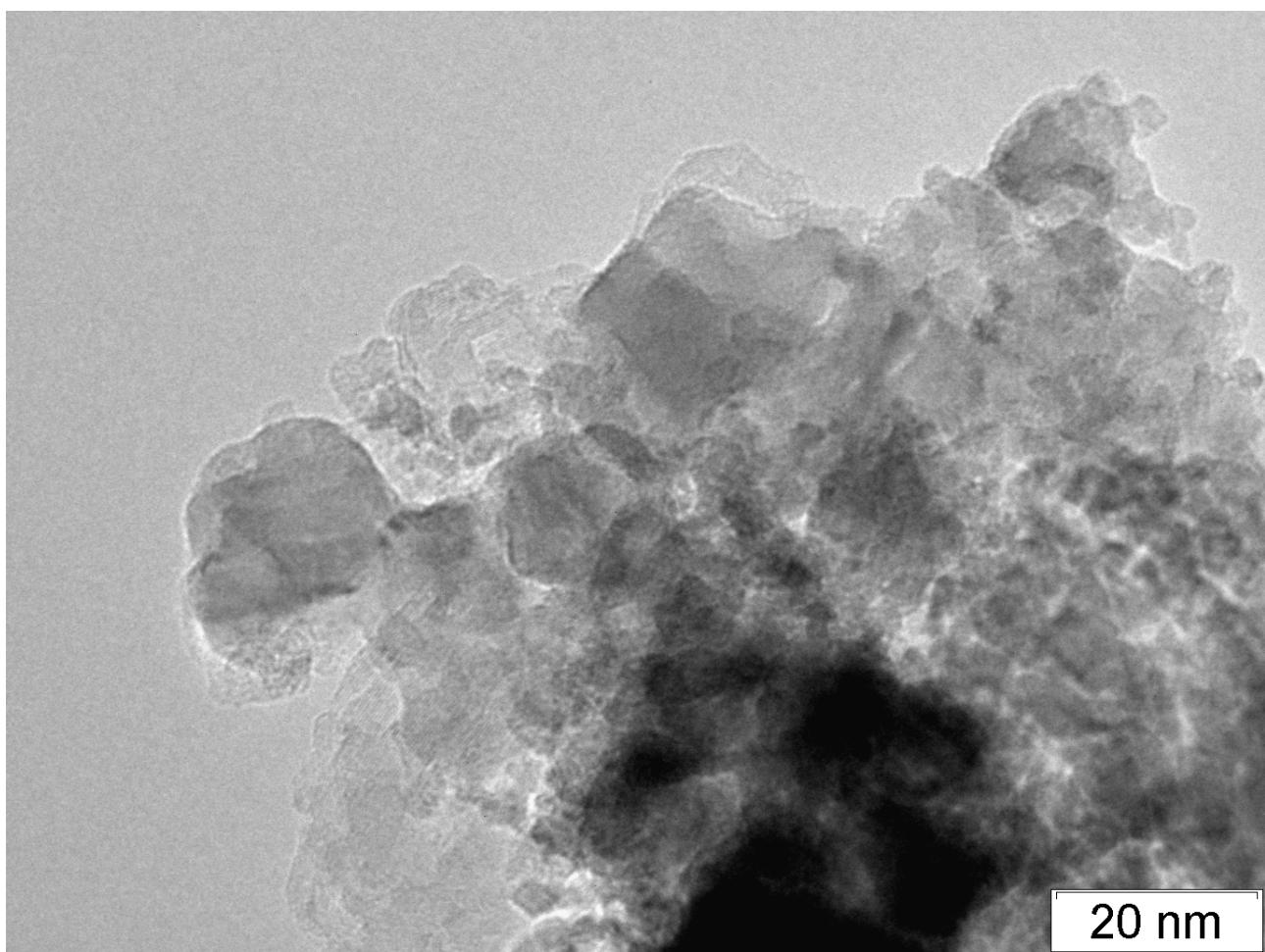


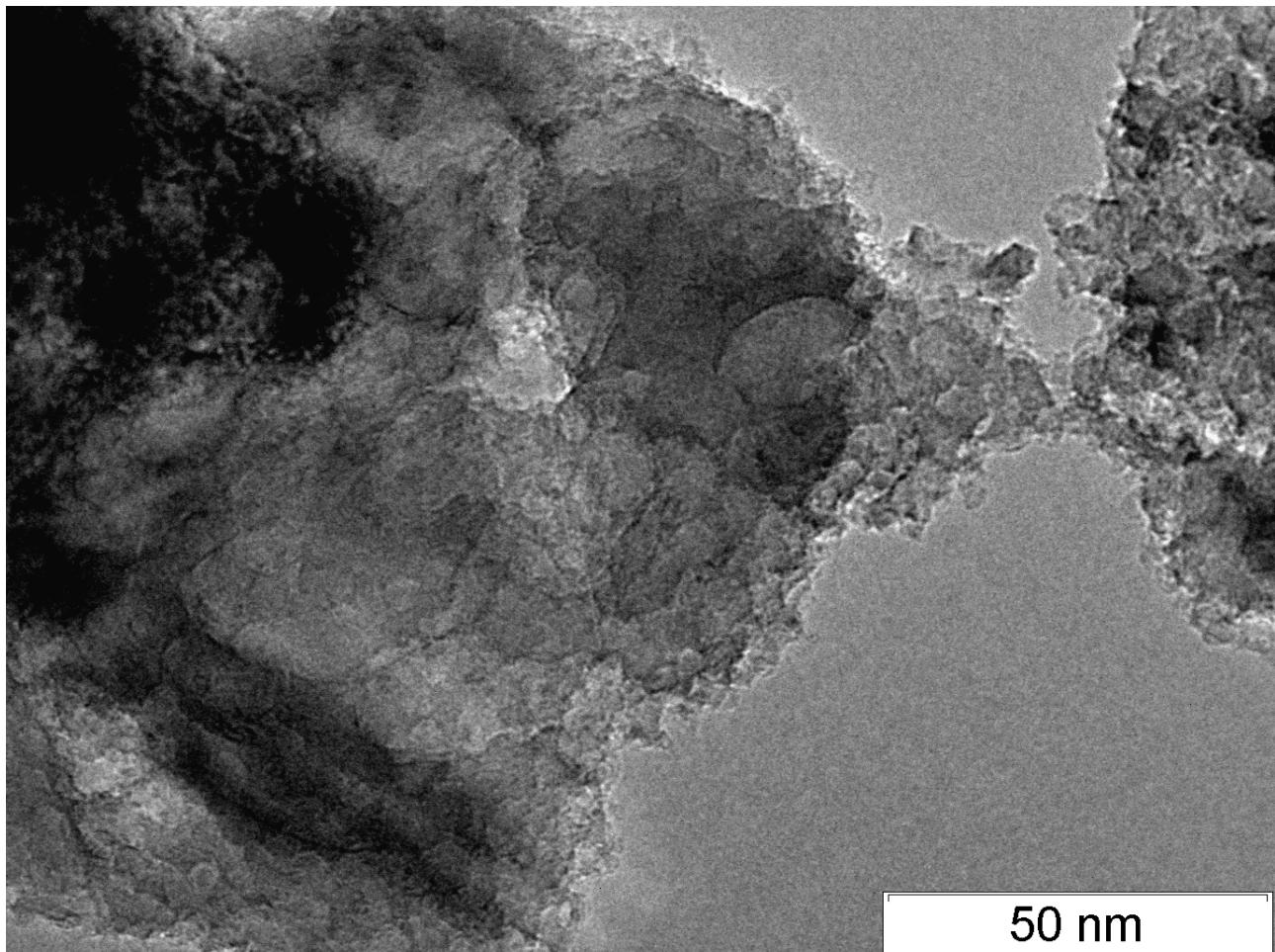
6 БТФ прессованный. Отожженный остаток при 460 °C

Плотность: 1.80 г/см³

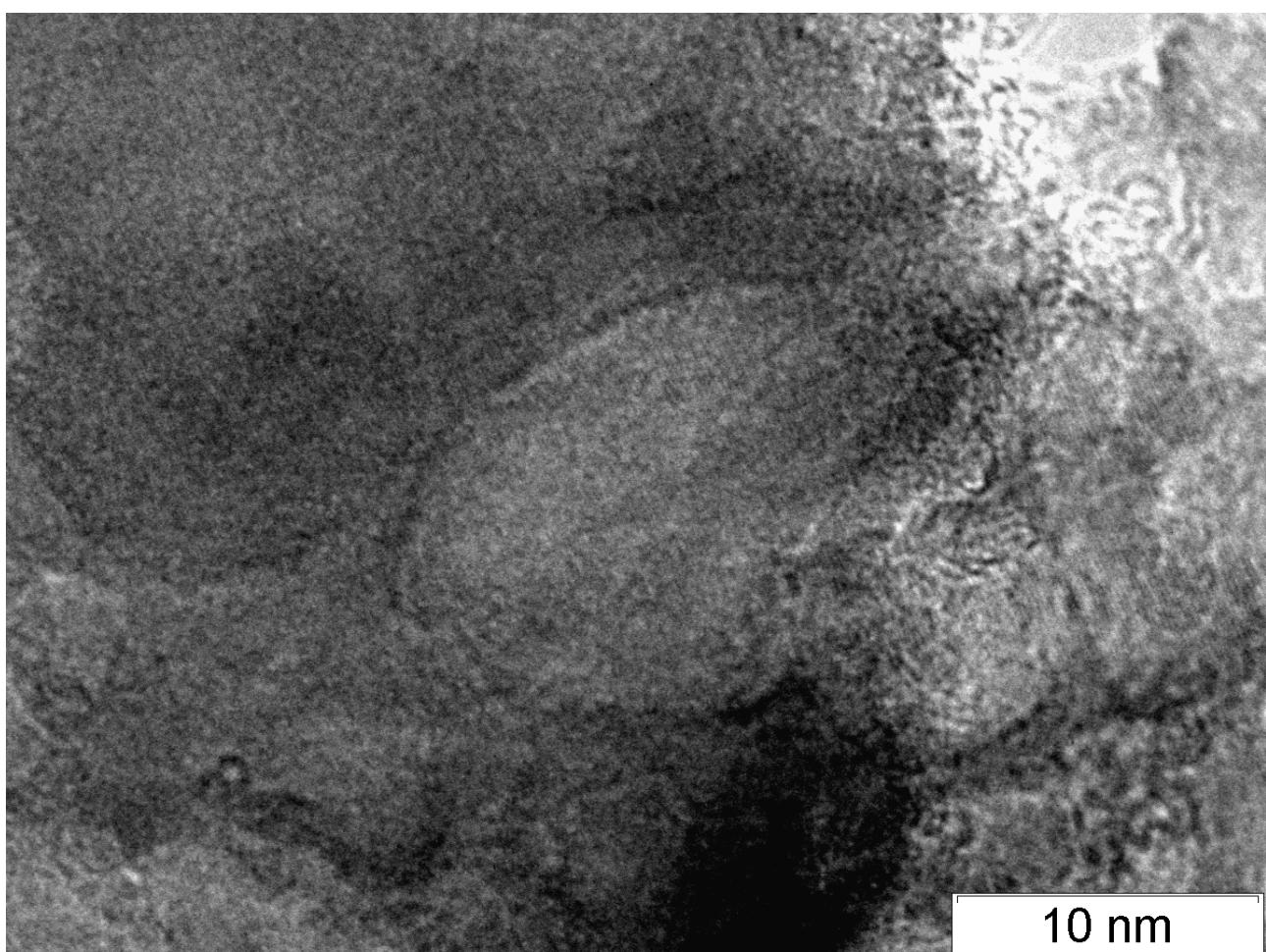
Масса: 17 г



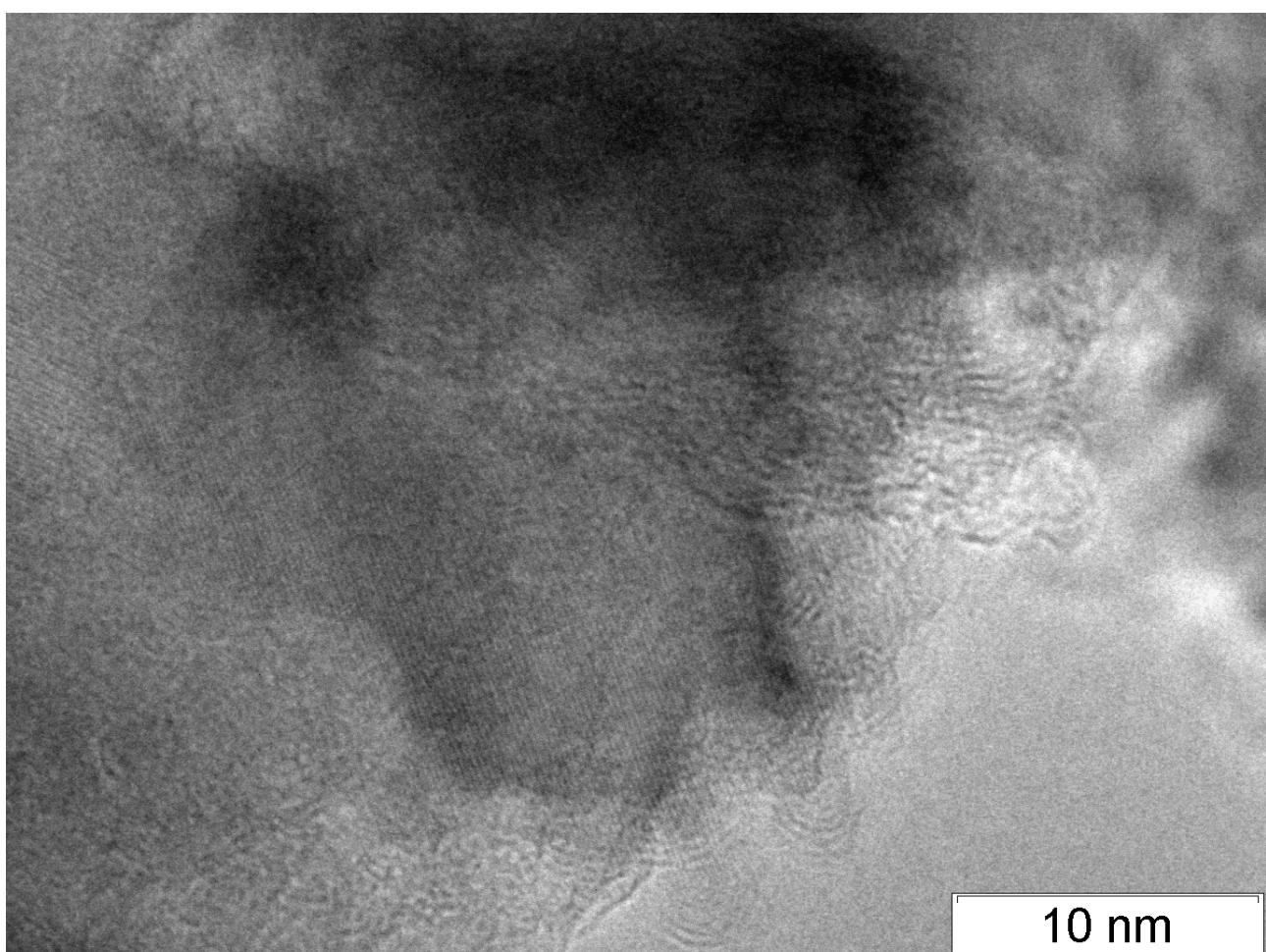
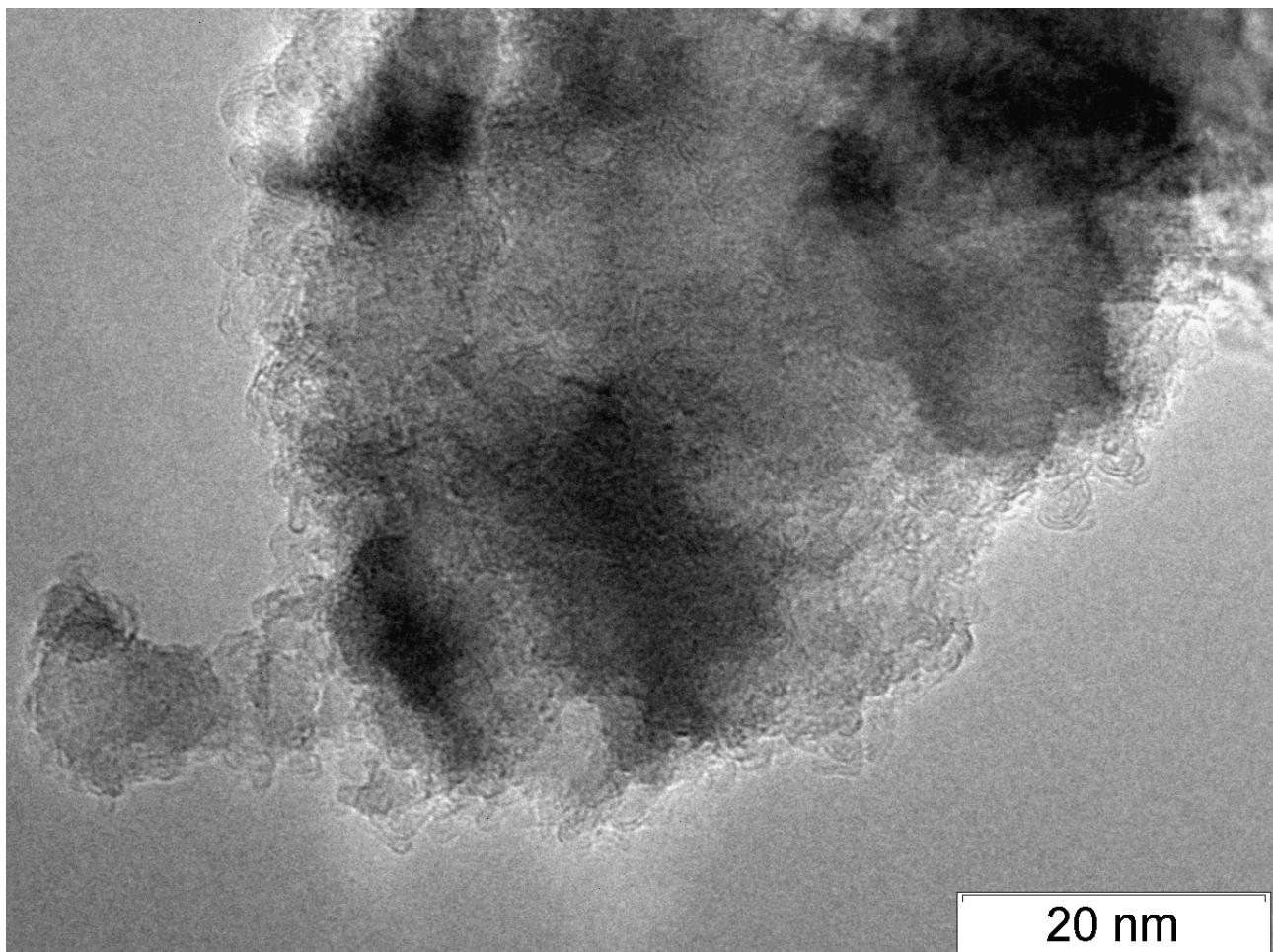




50 nm



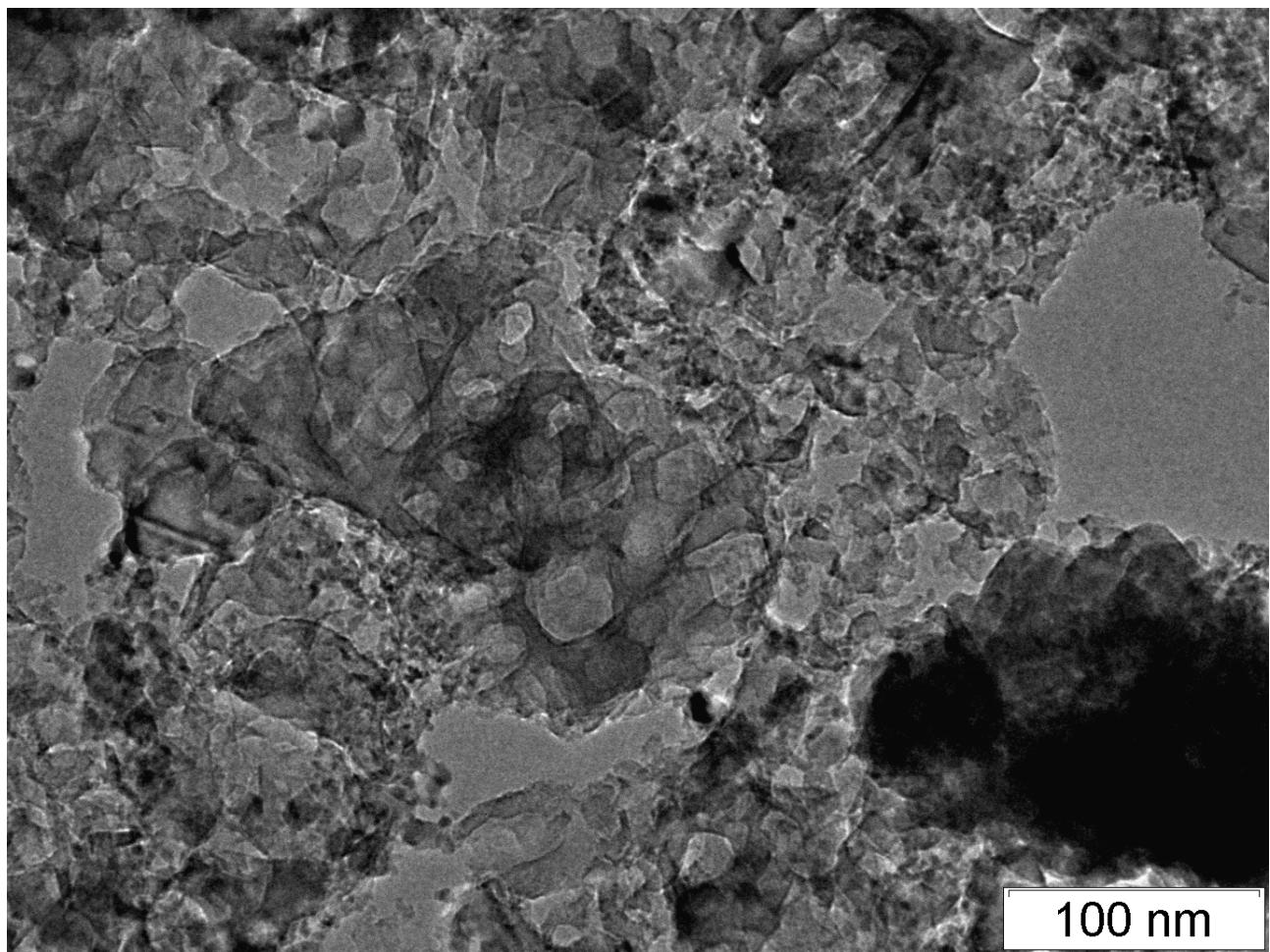
10 nm

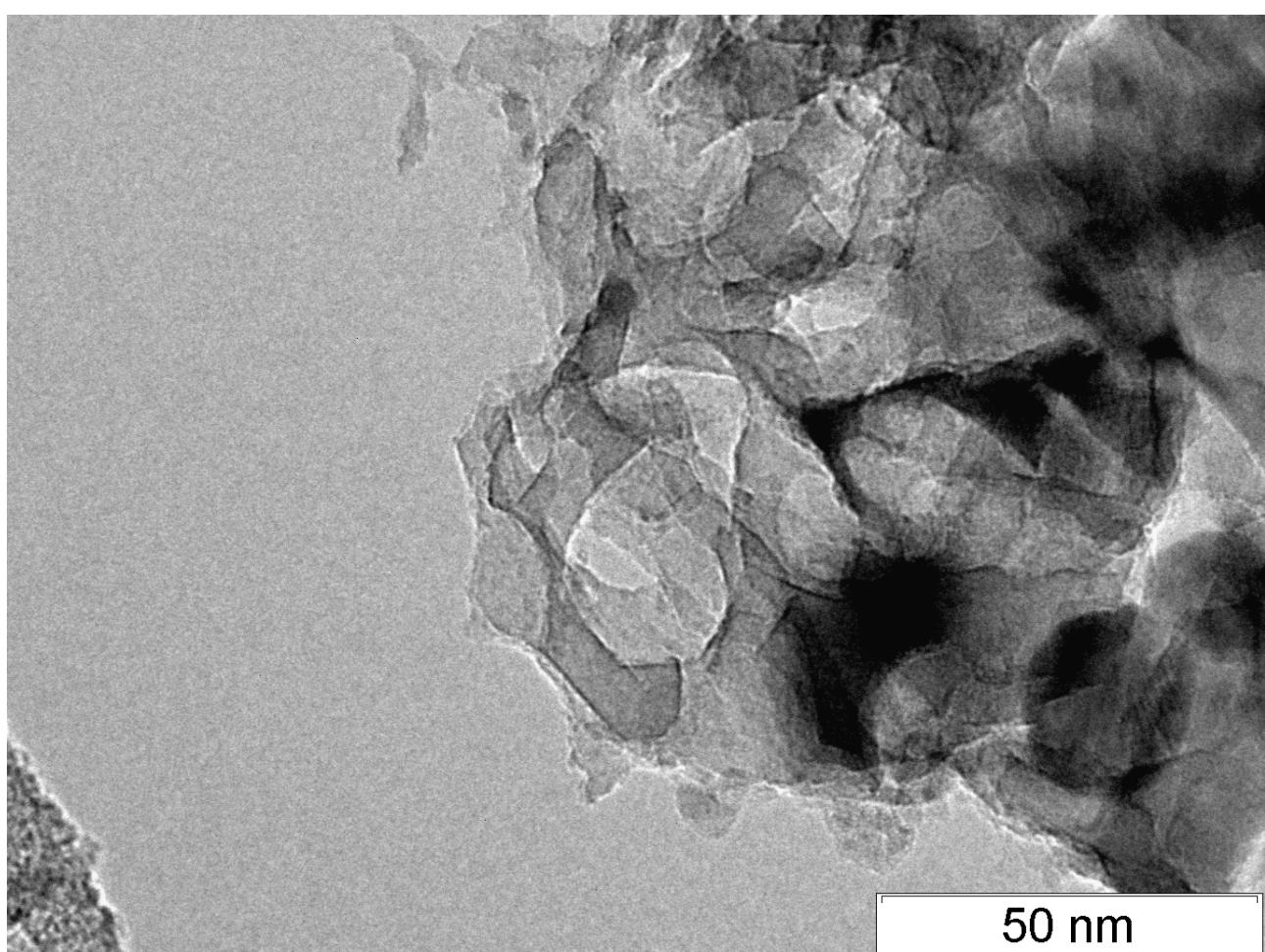
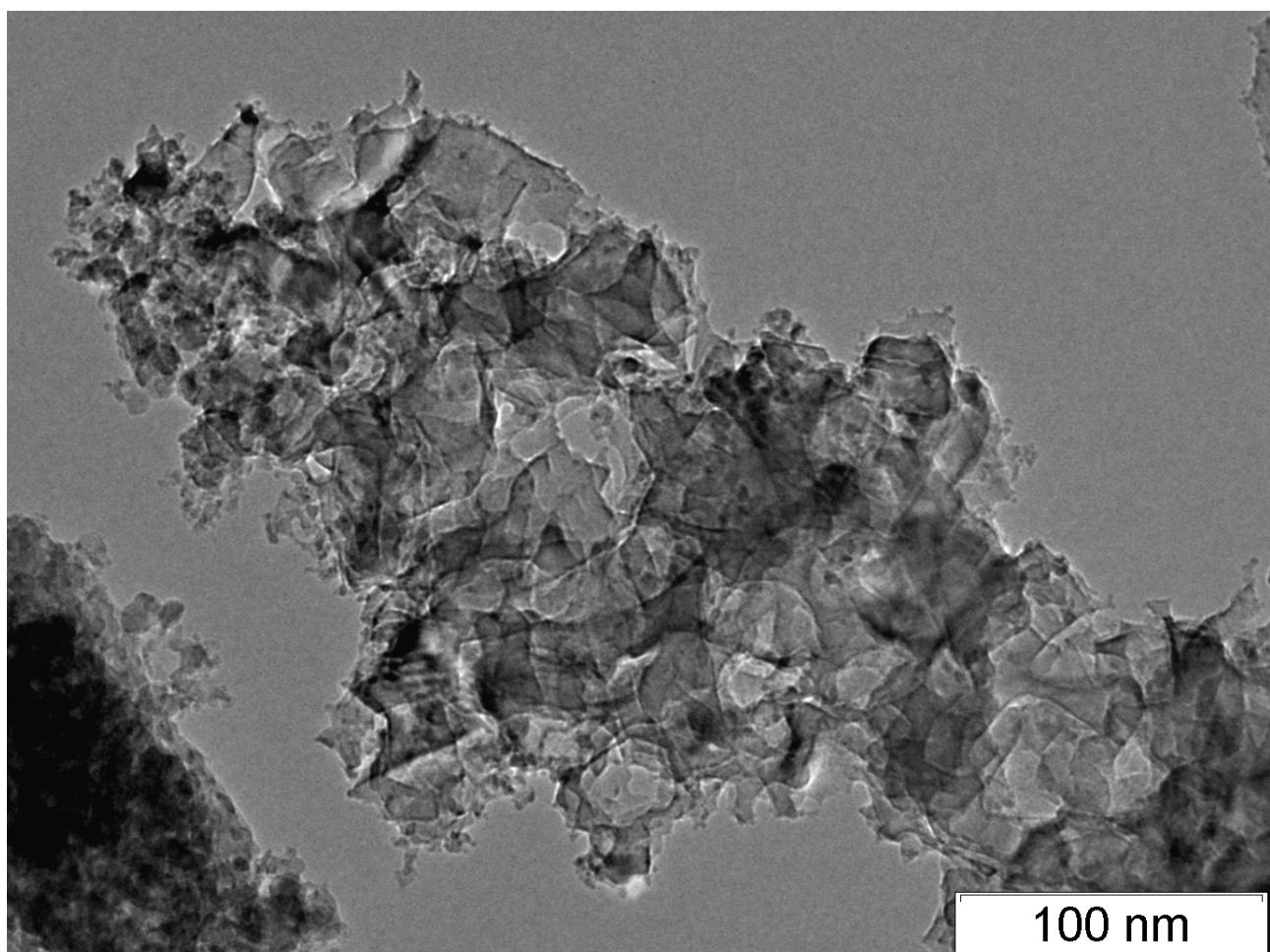


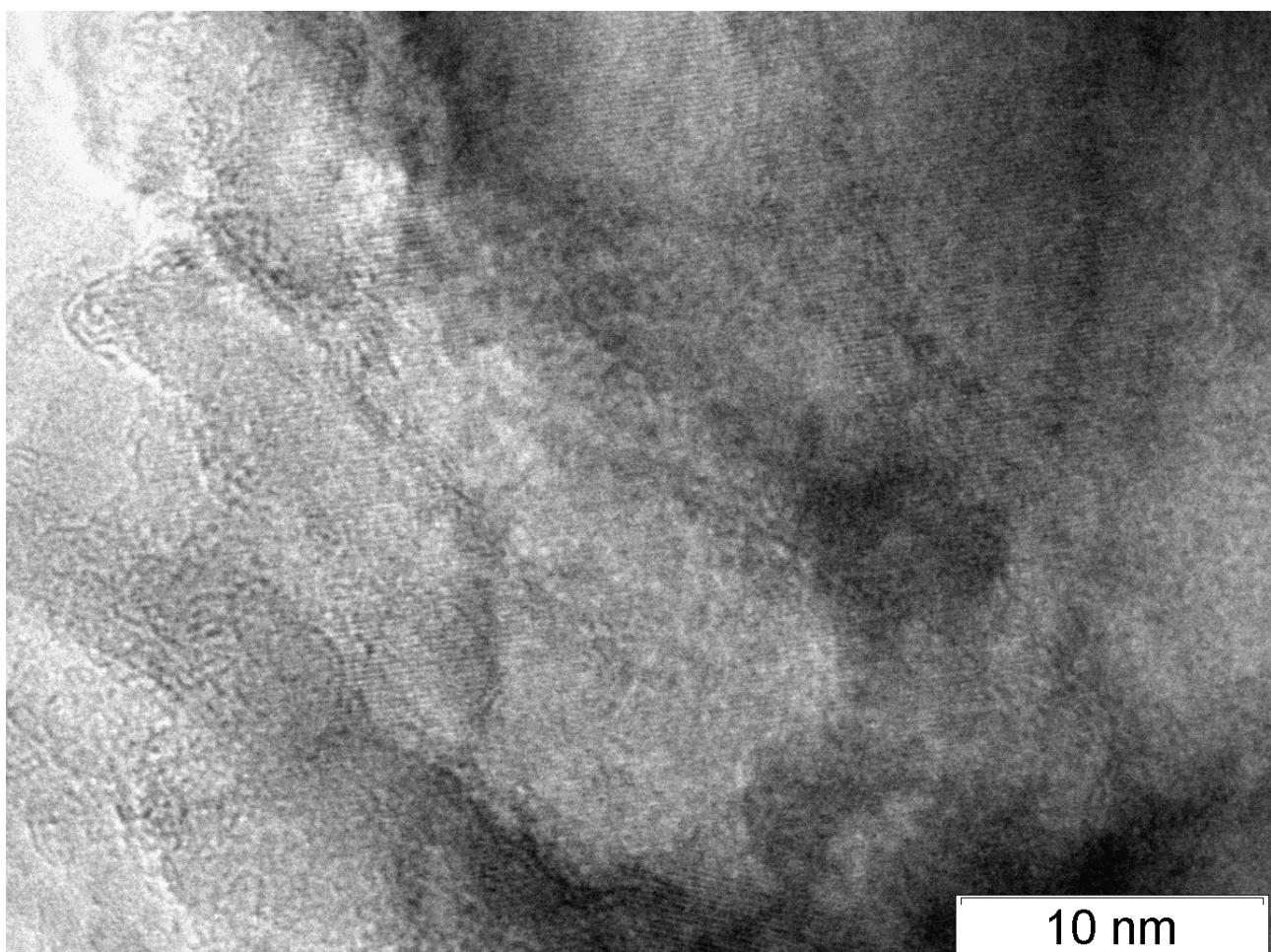
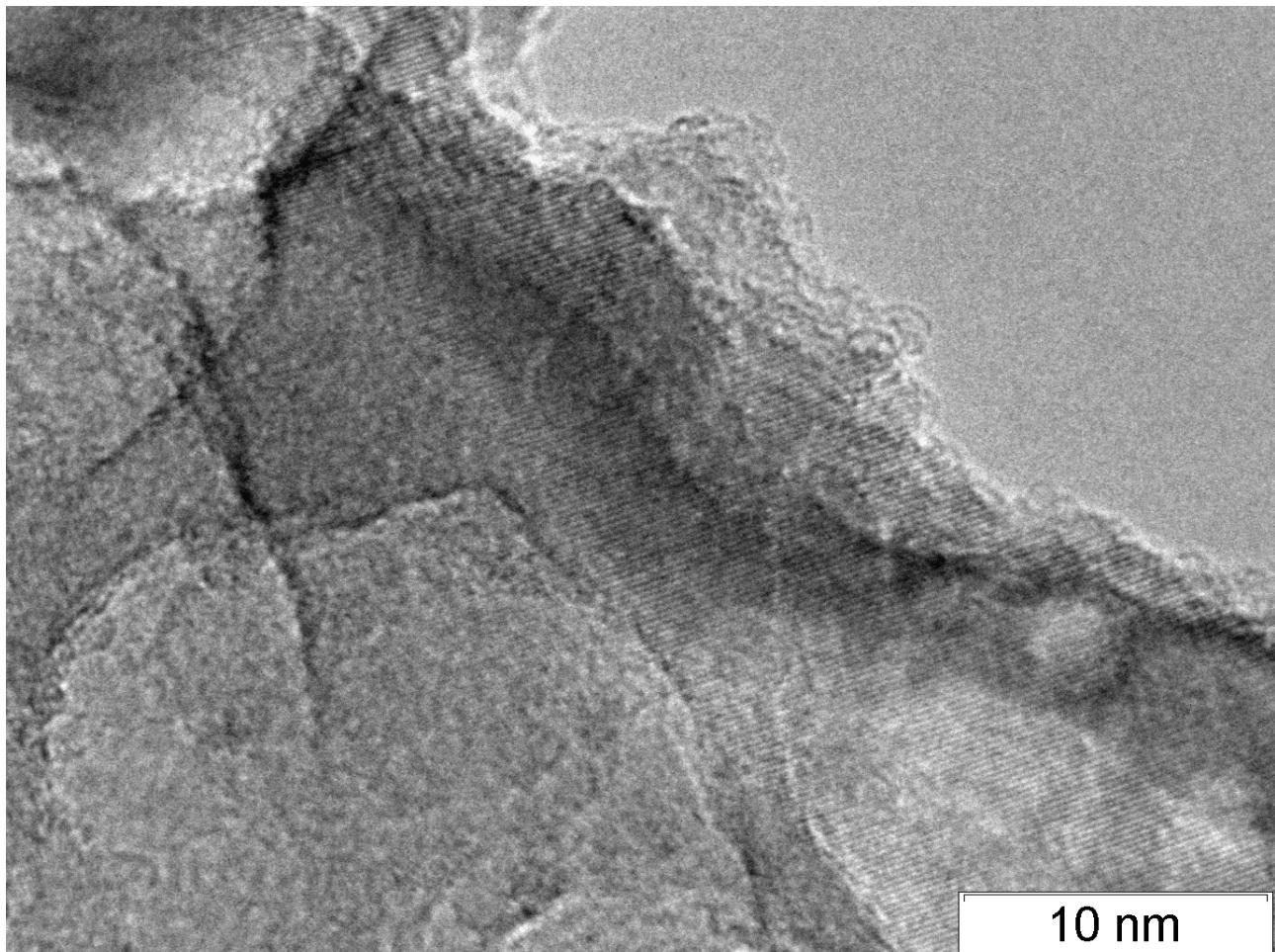
7 БТФ прессованный. Отожженный остаток при 515 °C

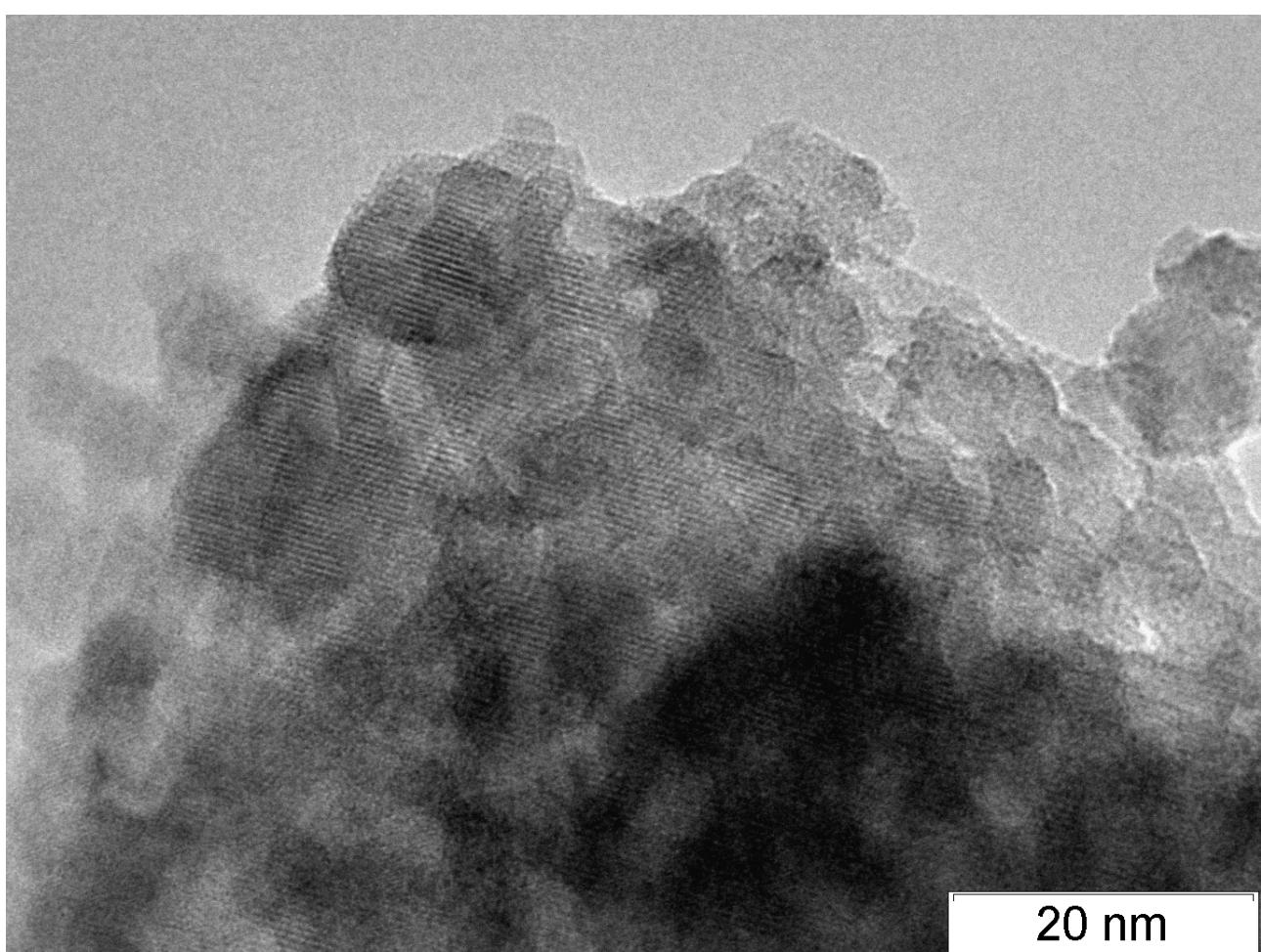
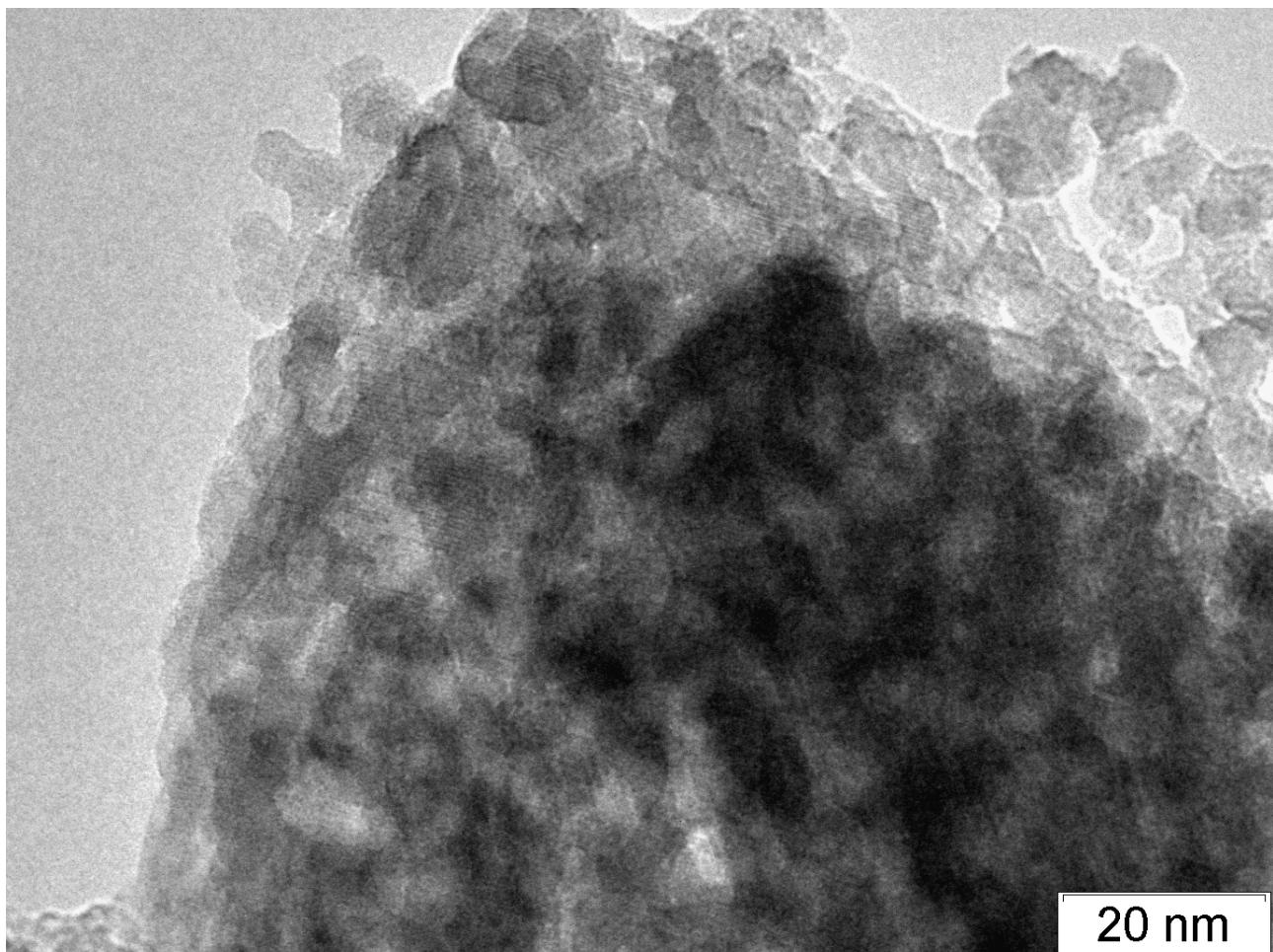
Плотность: 1.80 г/см³

Масса: 17 г





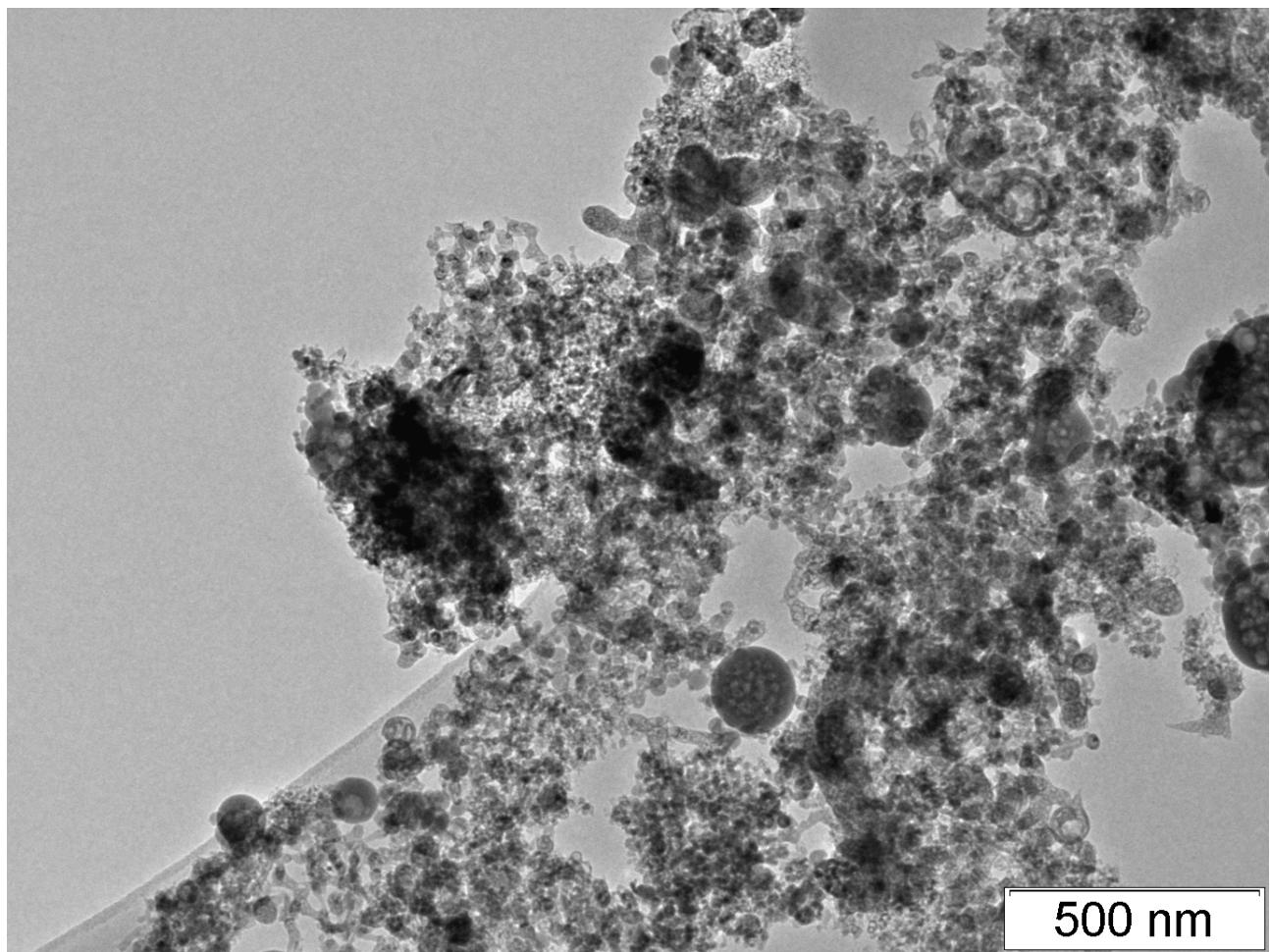


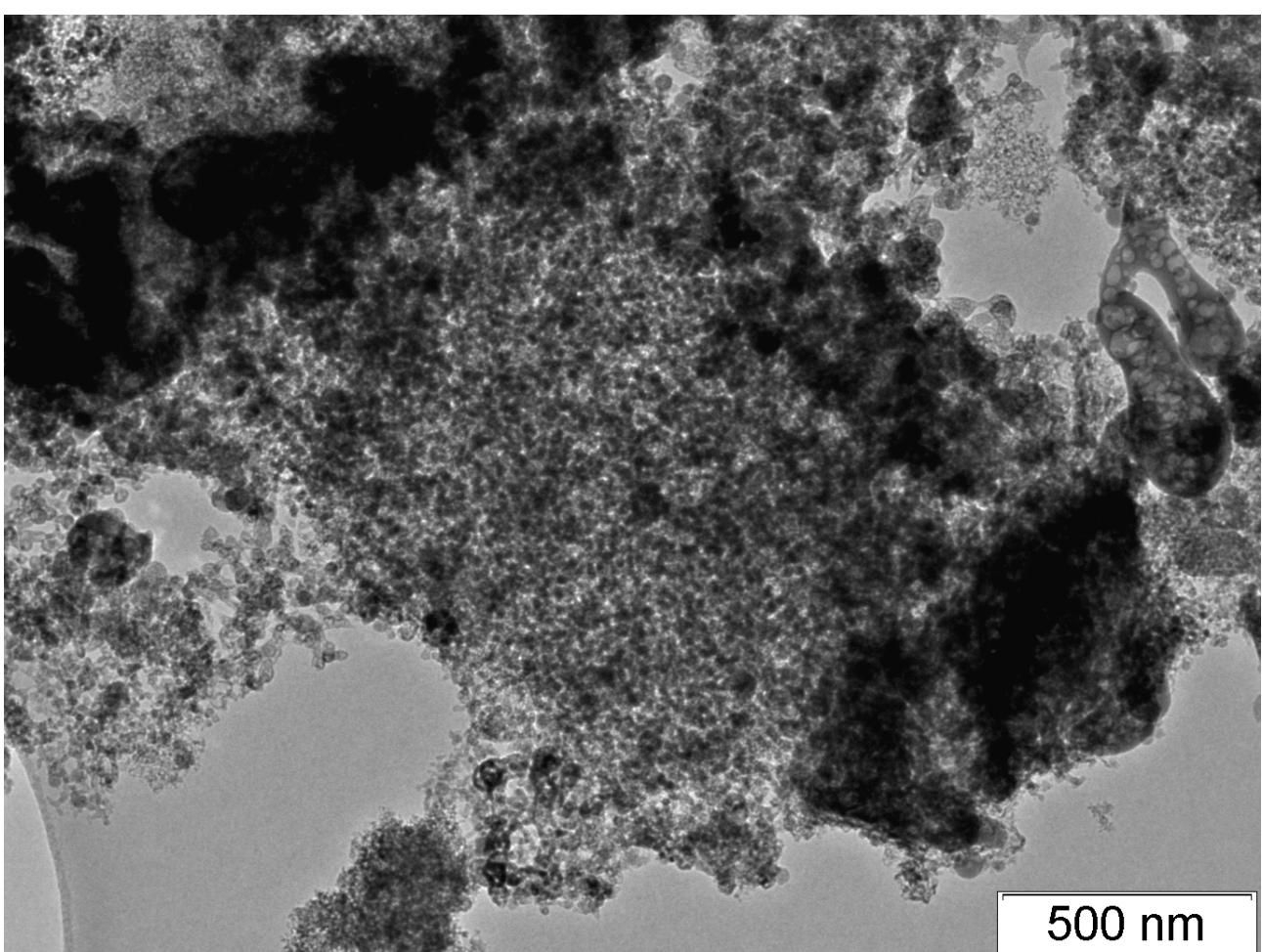
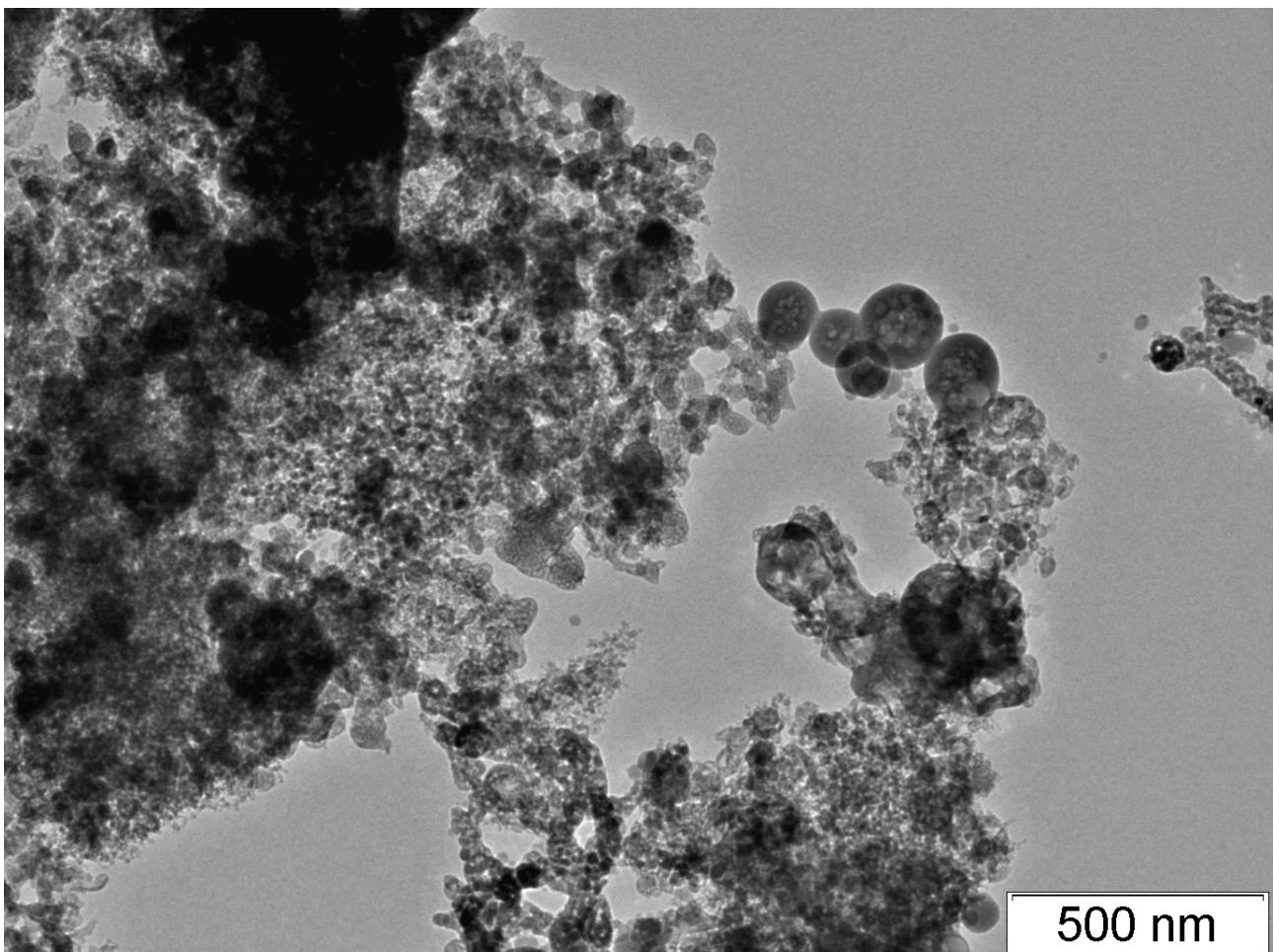


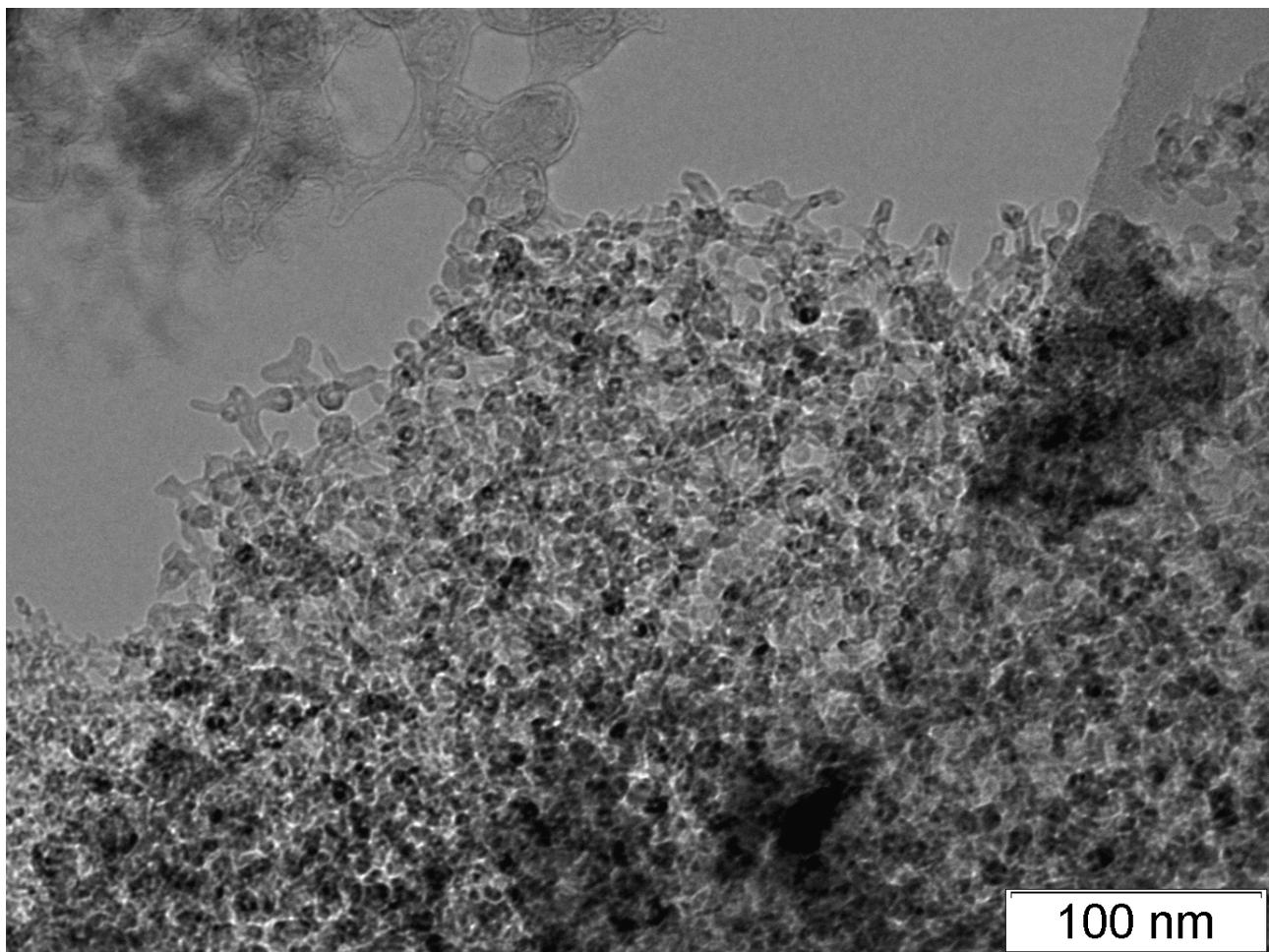
8 БТФ пластифицированный

Плотность: 1.66 г/см³

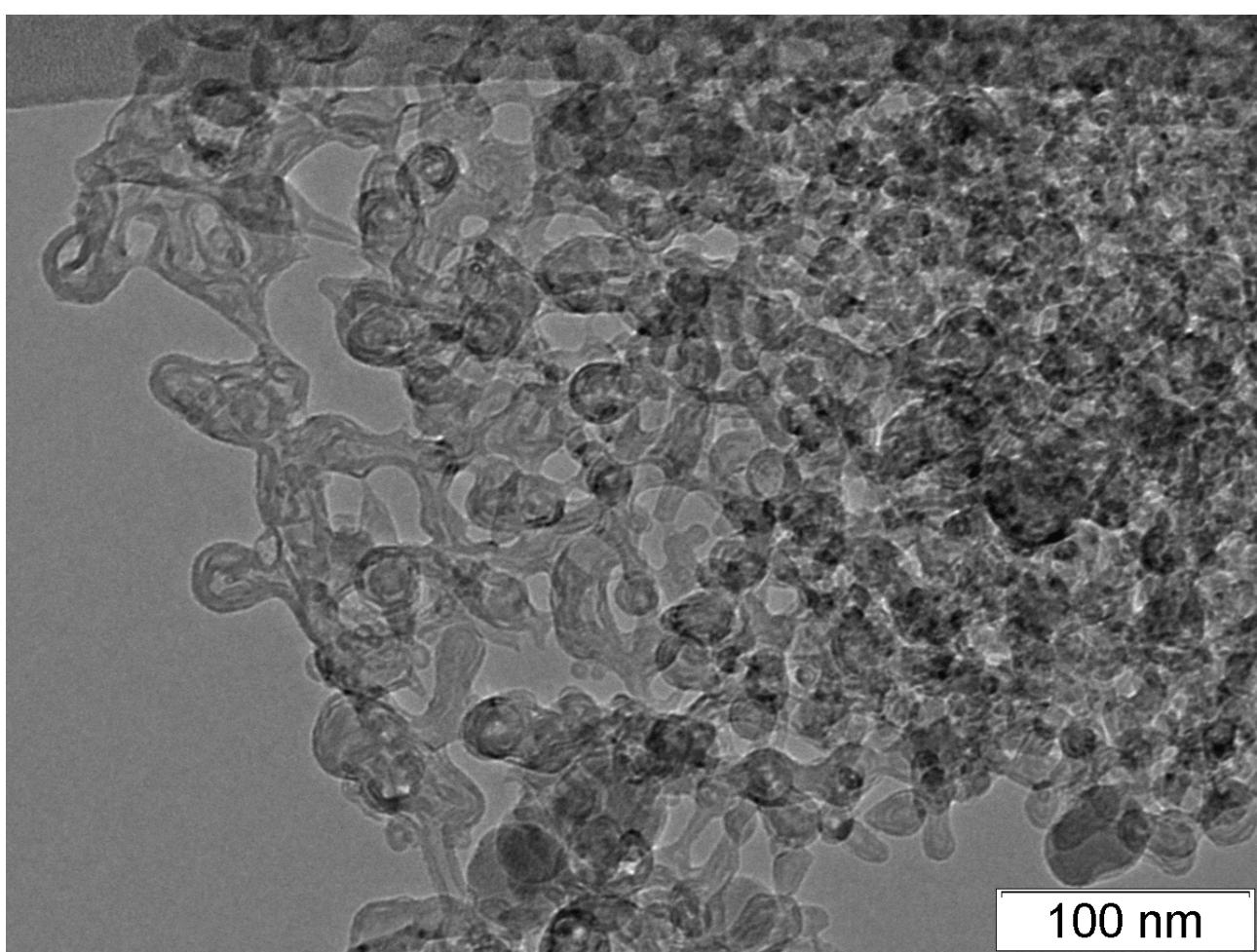
Масса: 17 г



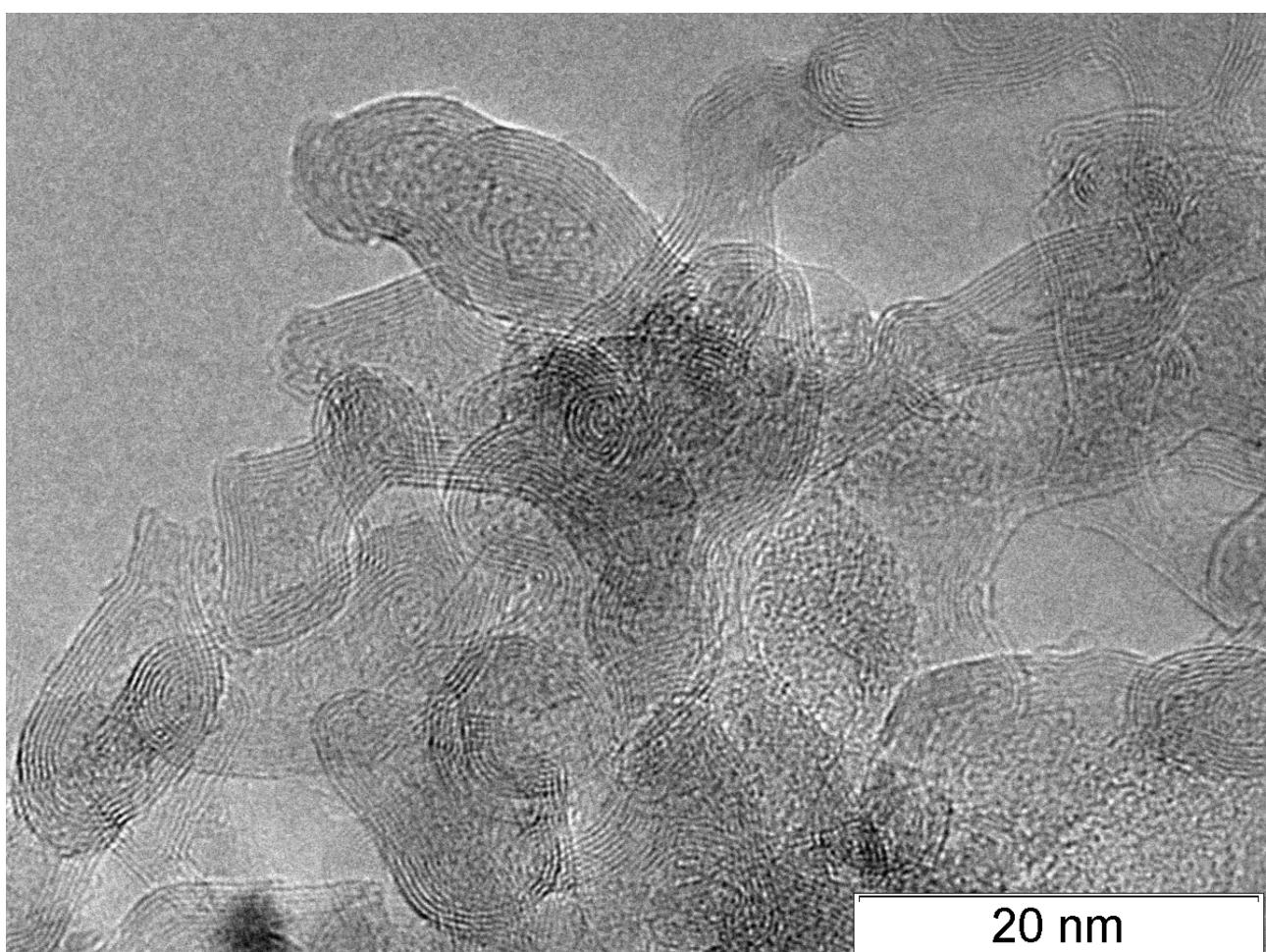
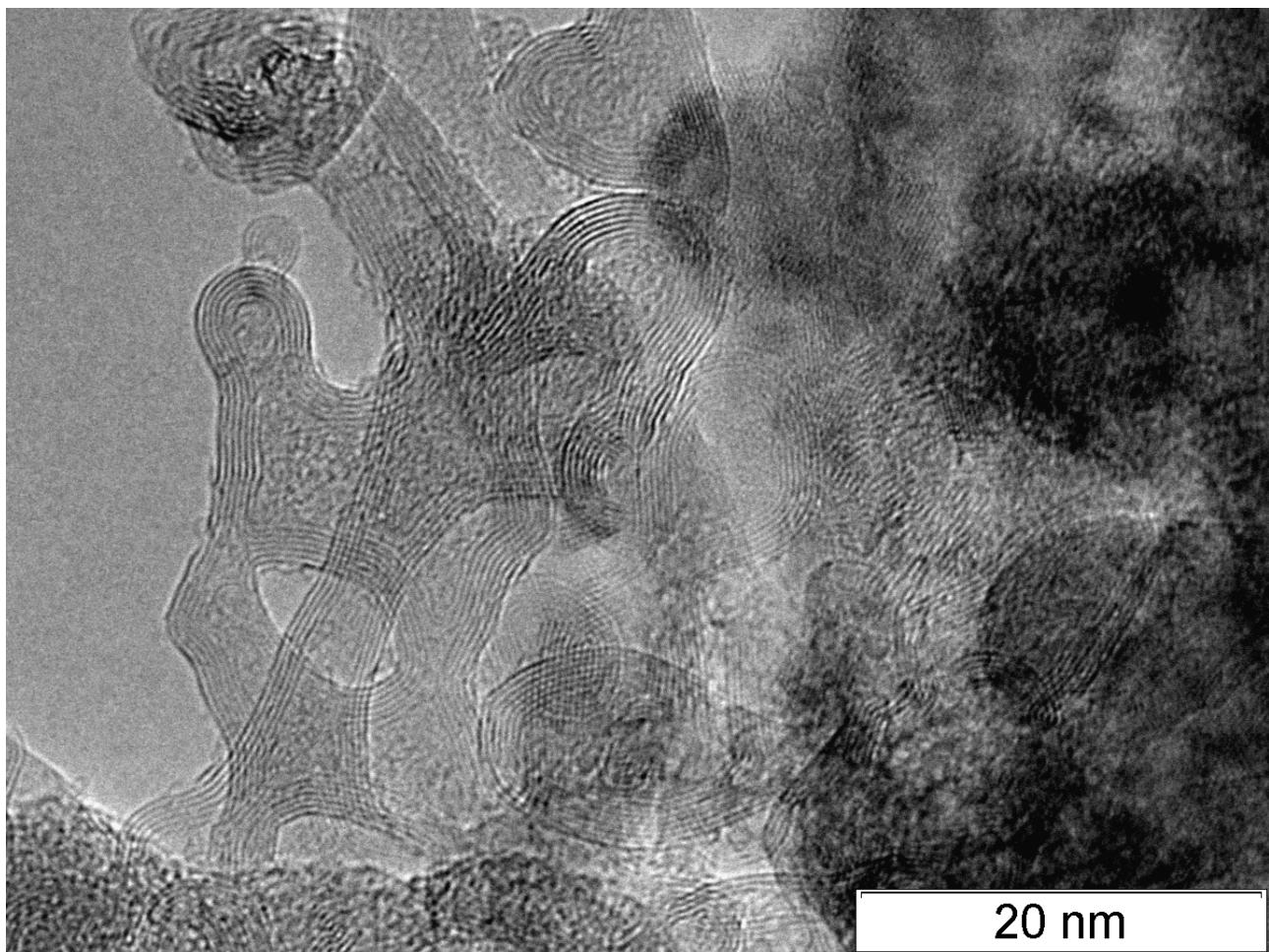


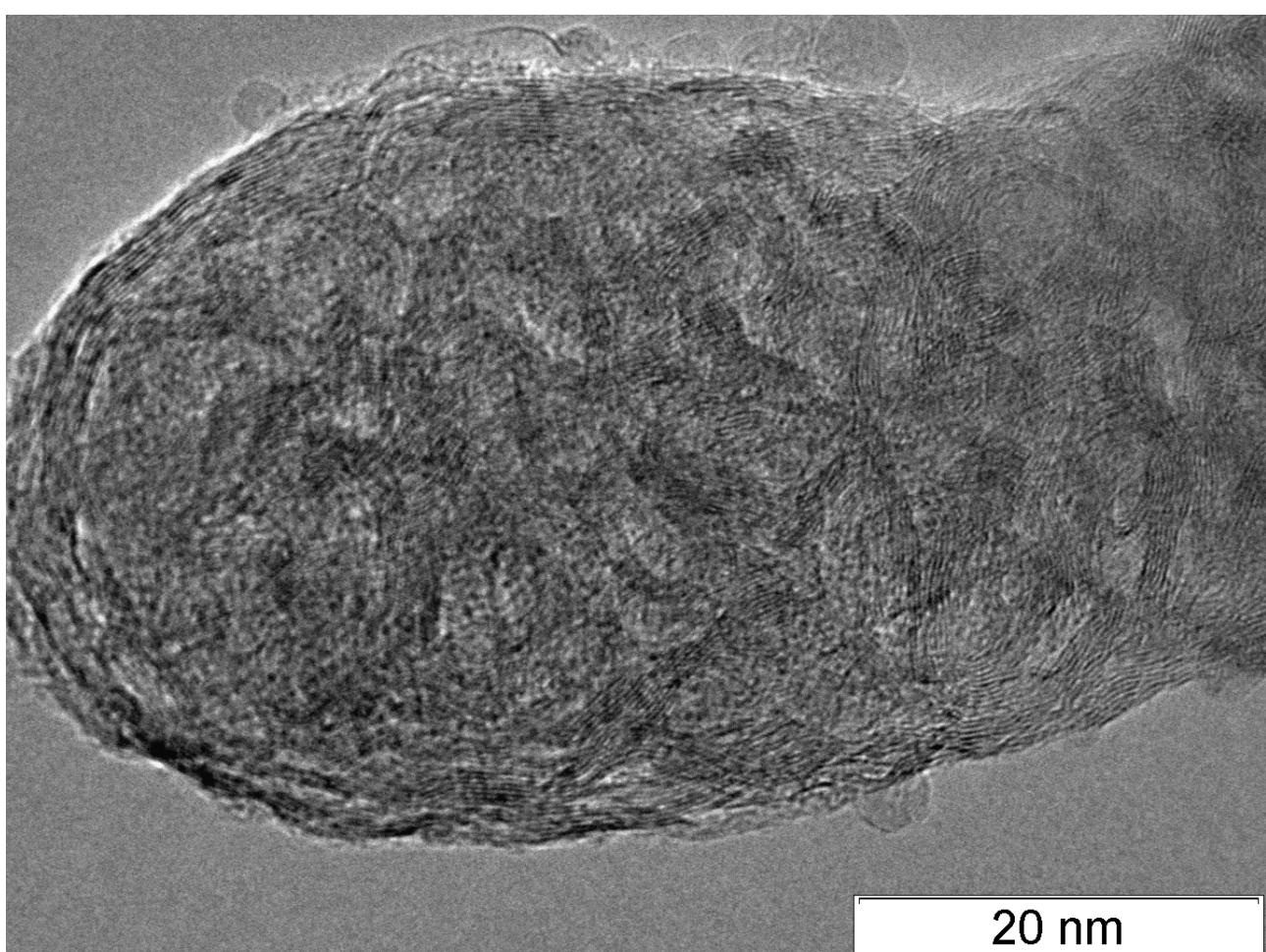
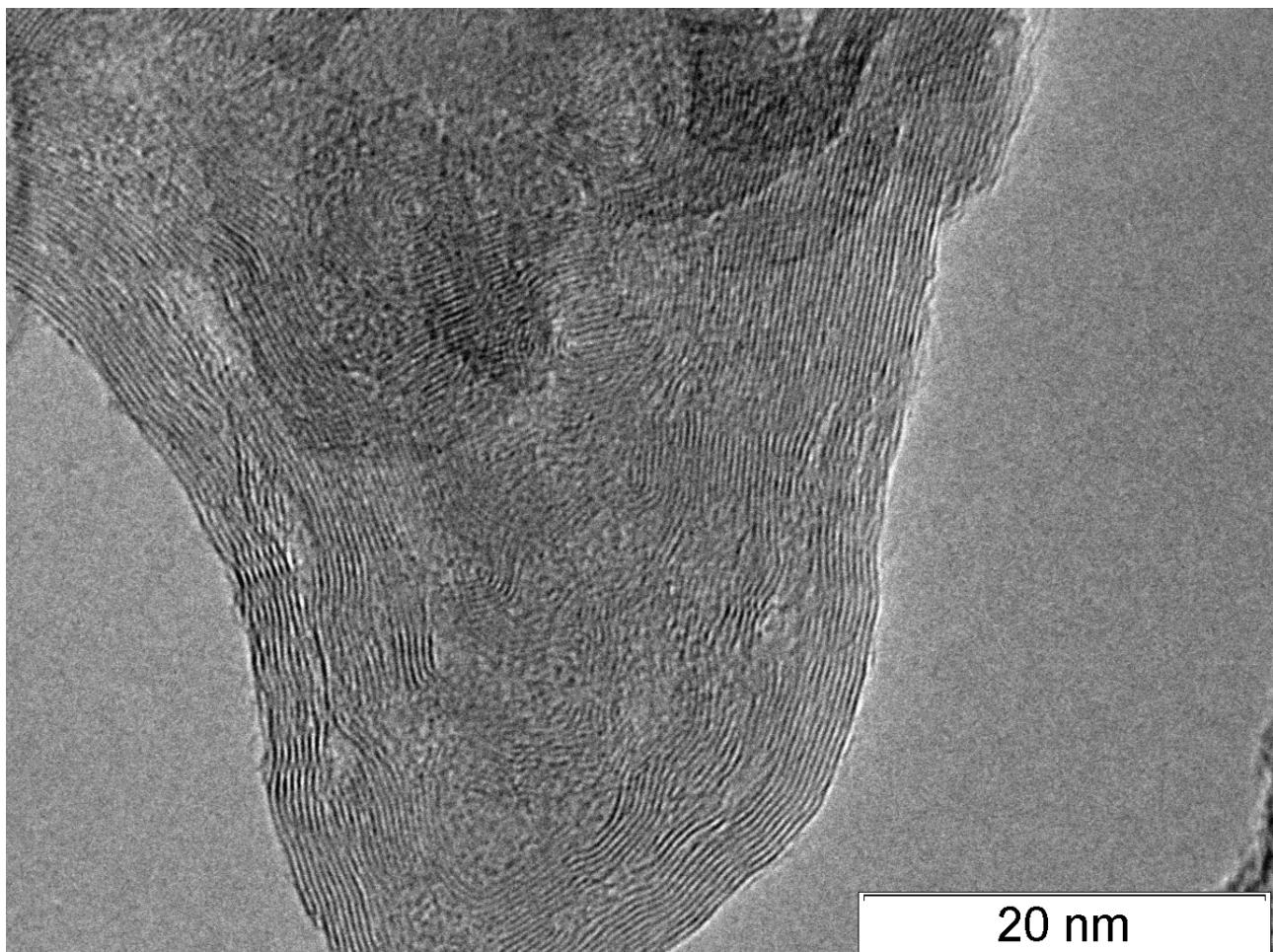


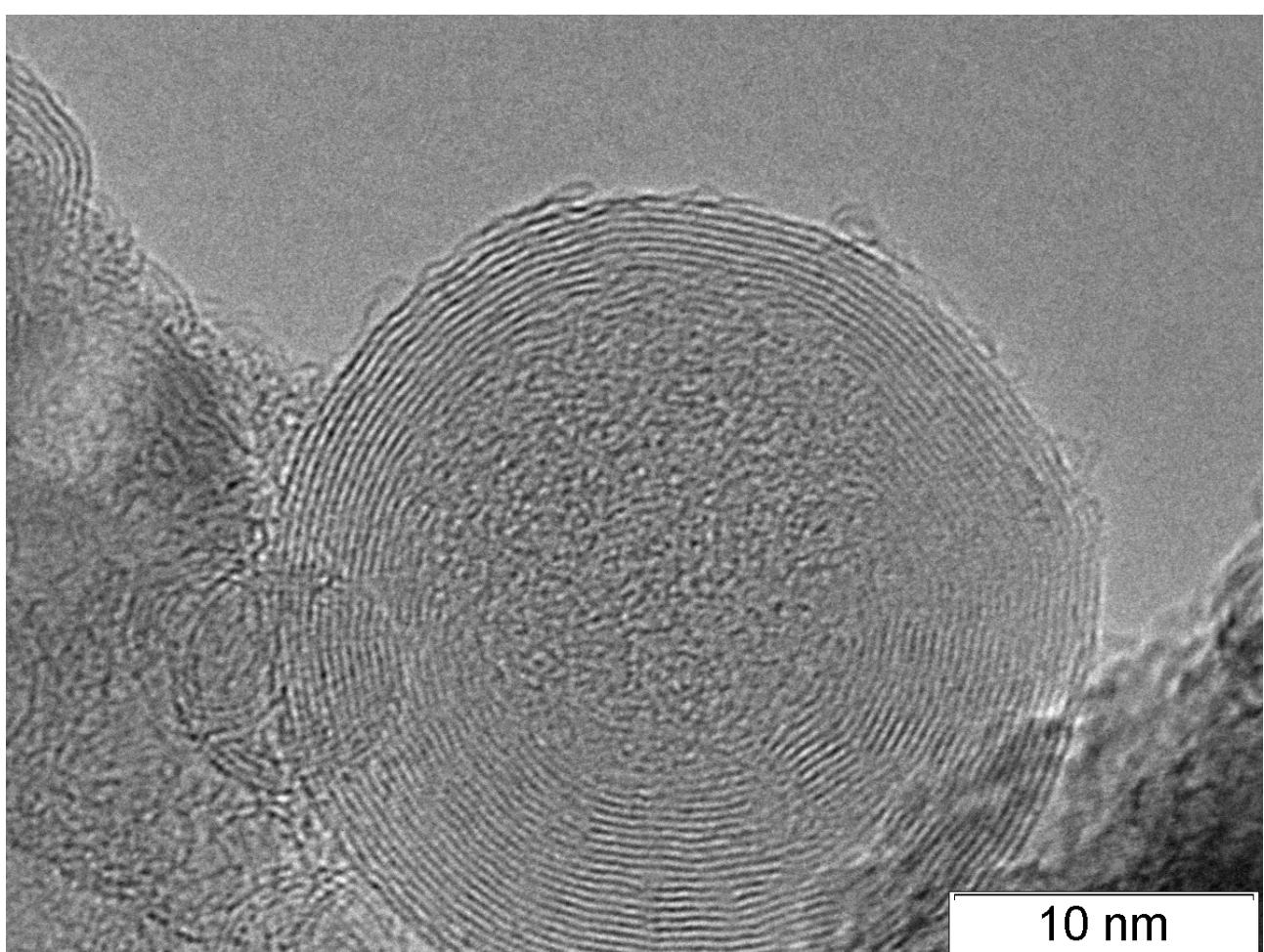
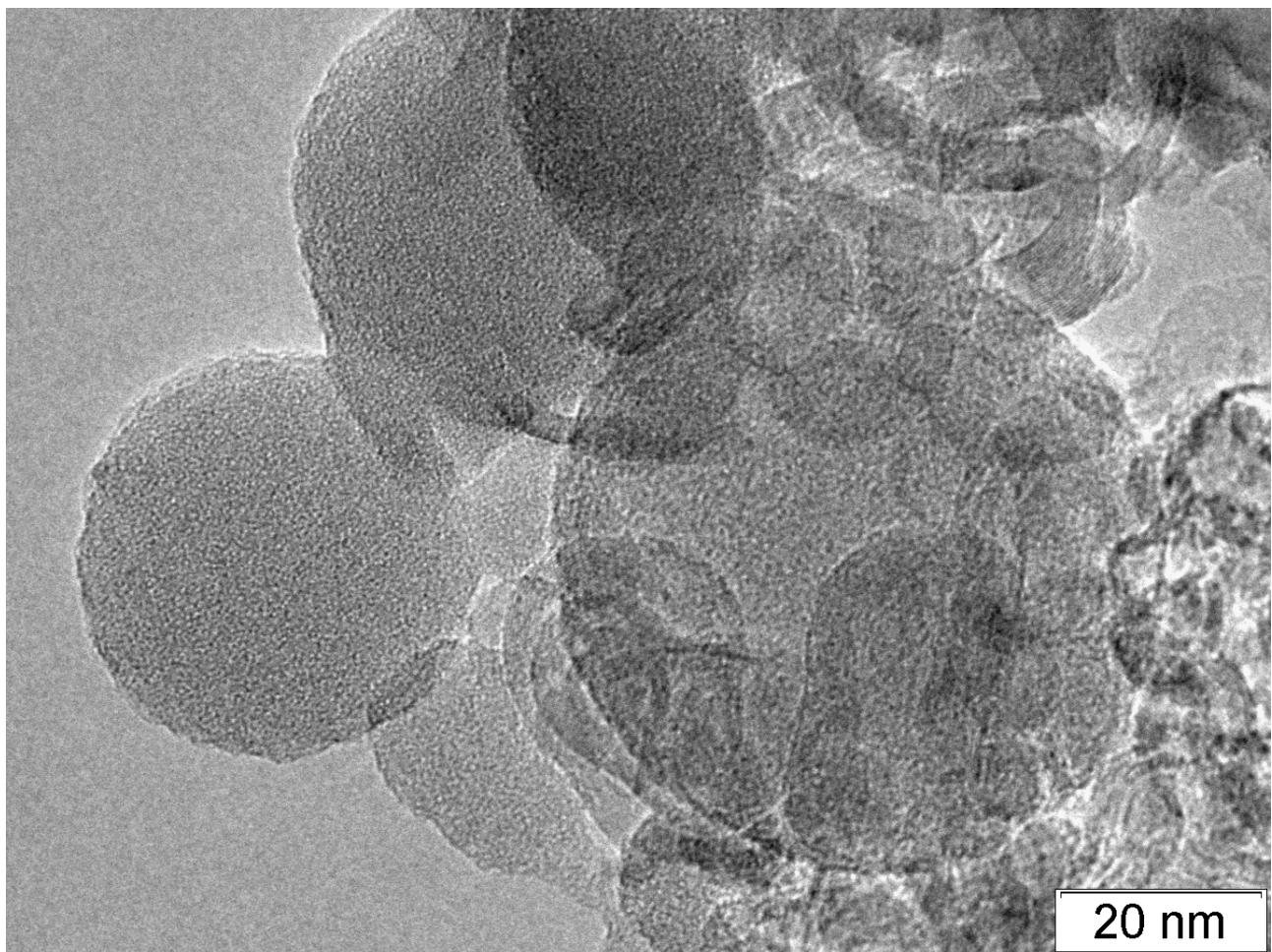
100 nm

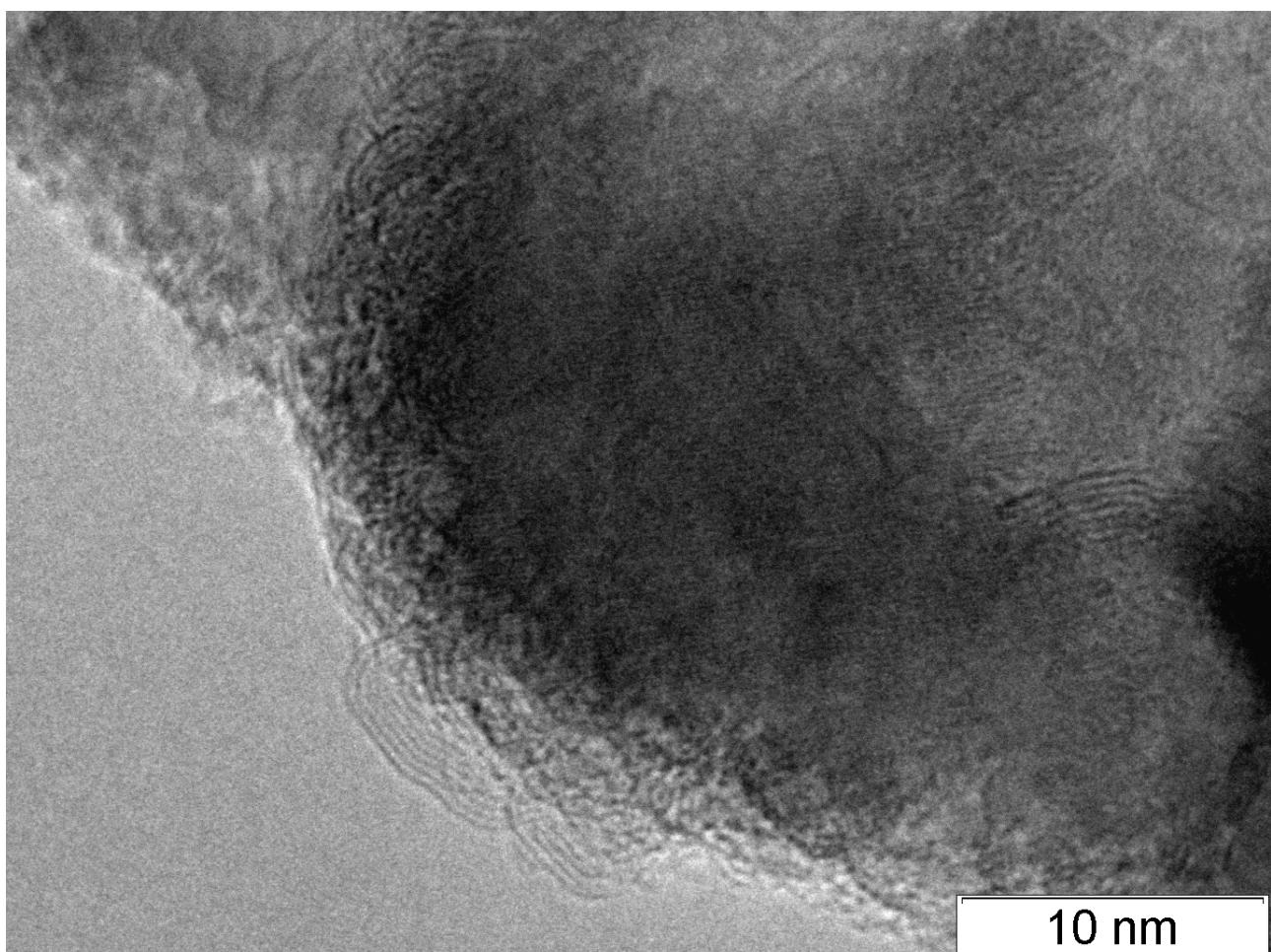
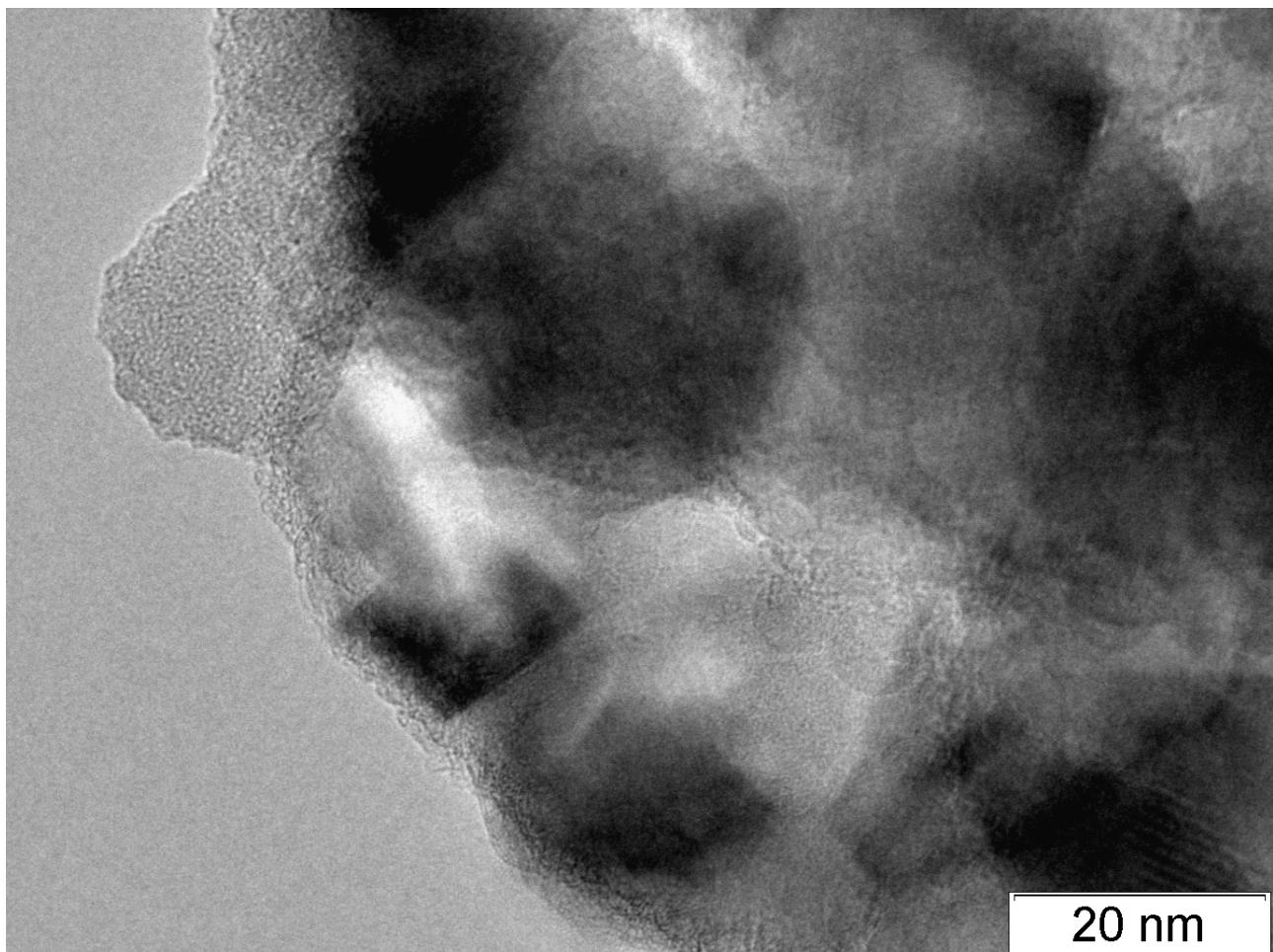


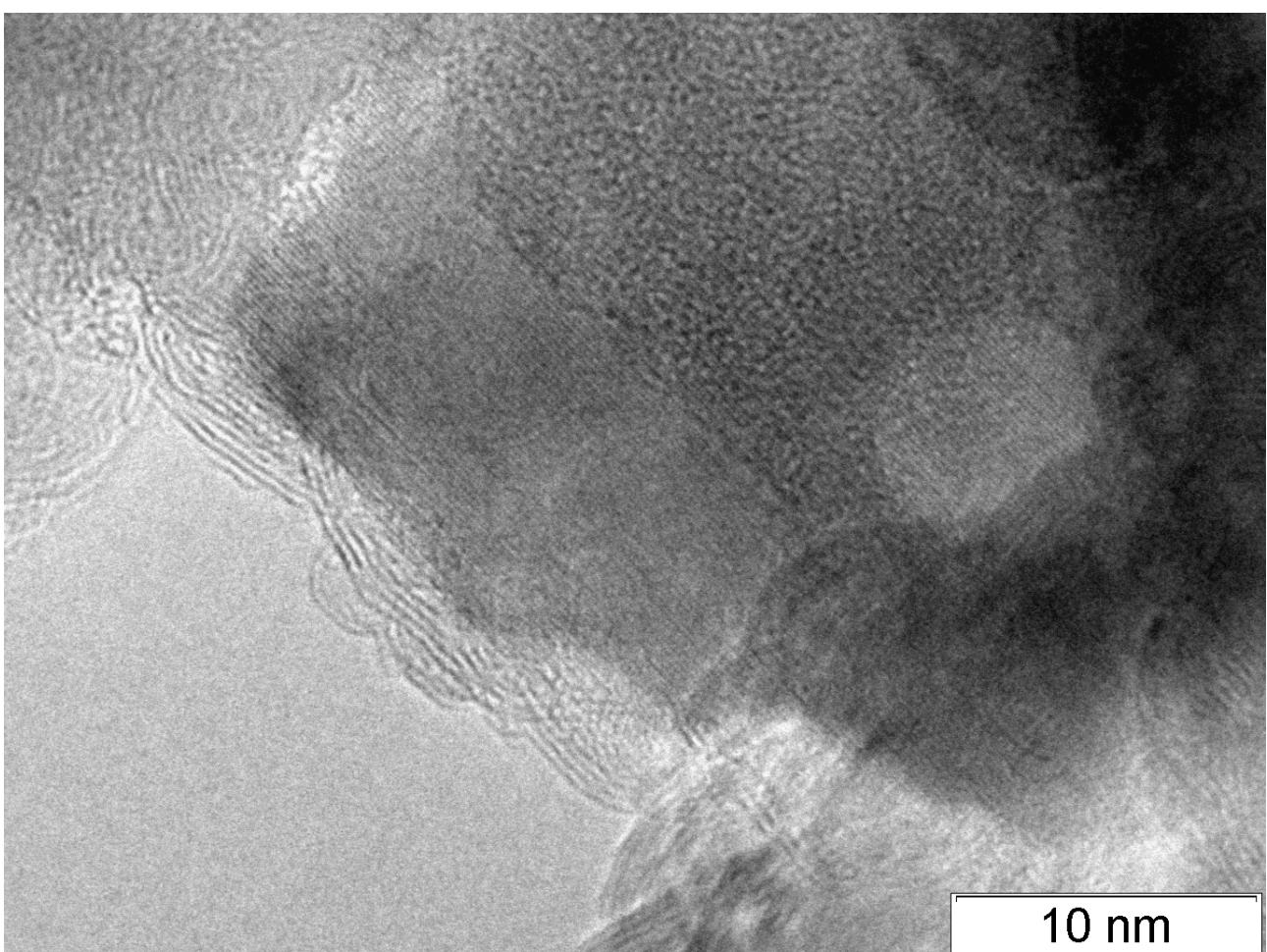
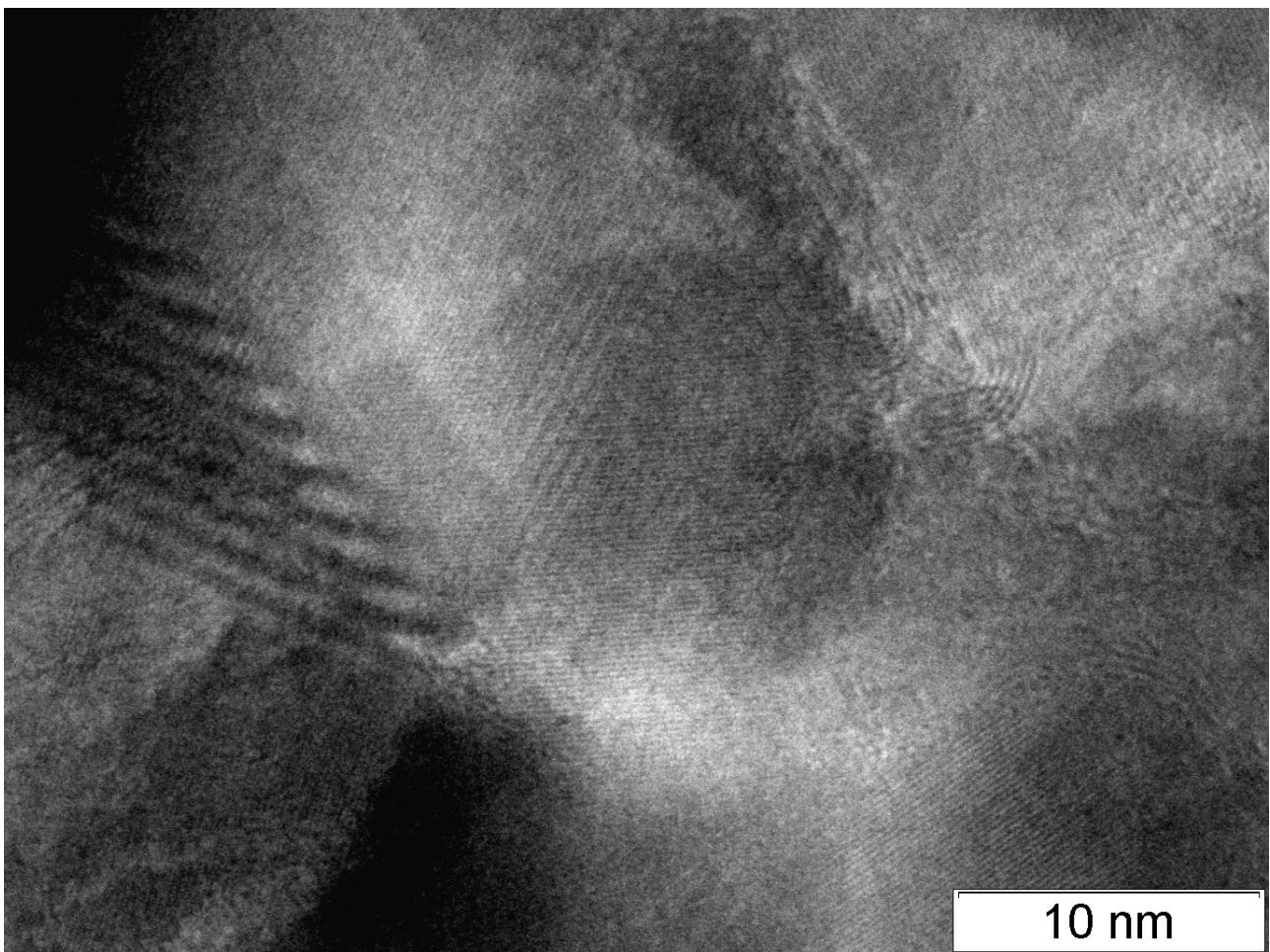
100 nm











9 БТФ пластифицированный. Отожженный остаток при
520 °C

Плотность: 1.66 г/см³

Масса: 17 г

