

## Technical Data

Categories No: TNNRGO

Name: Nitrogen Doped Graphene

Purity: >98wt%

layers: <3

Thickness: 1-3nm

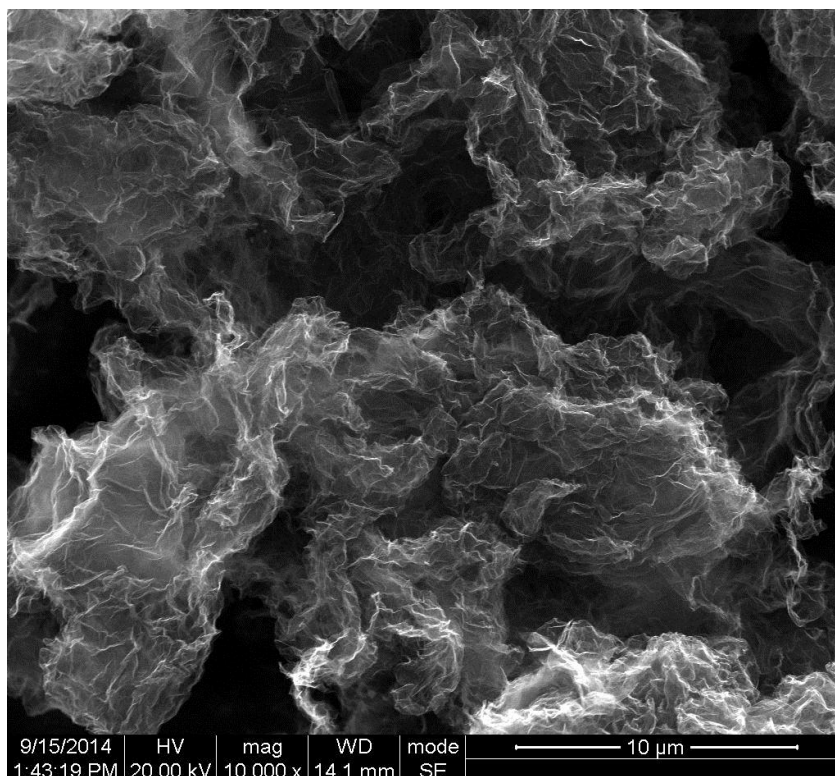
Scale: 2-10 $\mu$ m

Specific Surface Area: 100-300m<sup>2</sup>/g

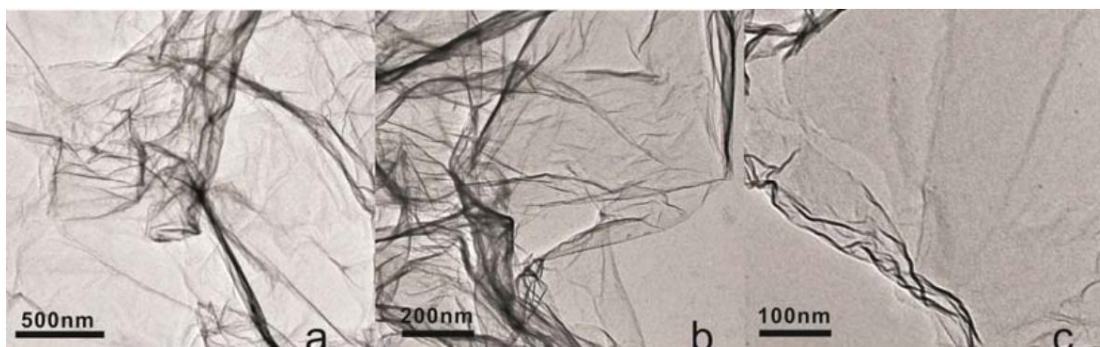
Tap density: 5~10 mg/mL

Nitrogen Content :5~10% wt

### 1. SEM of Nitrogen Doped Graphene

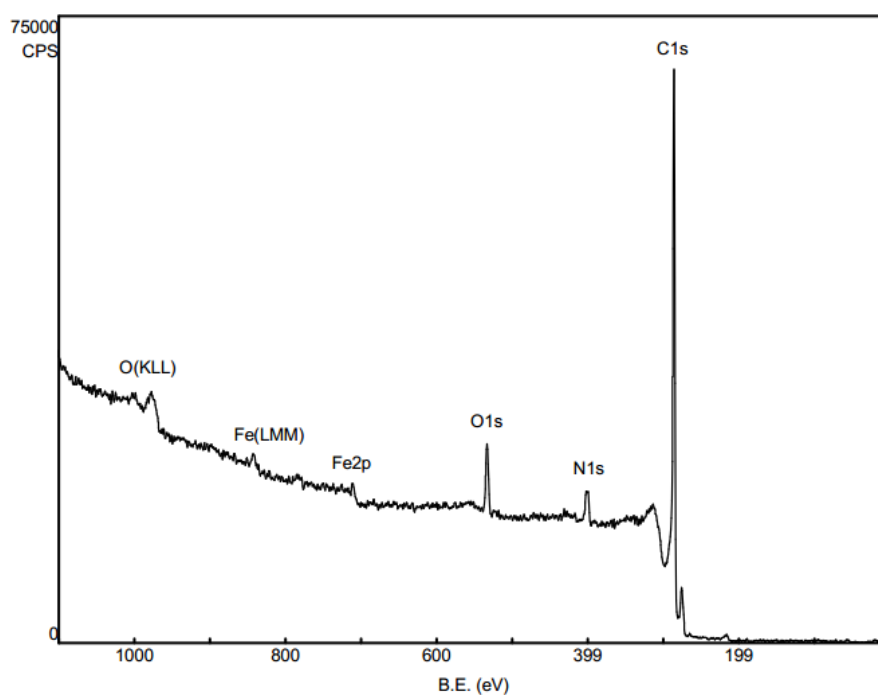


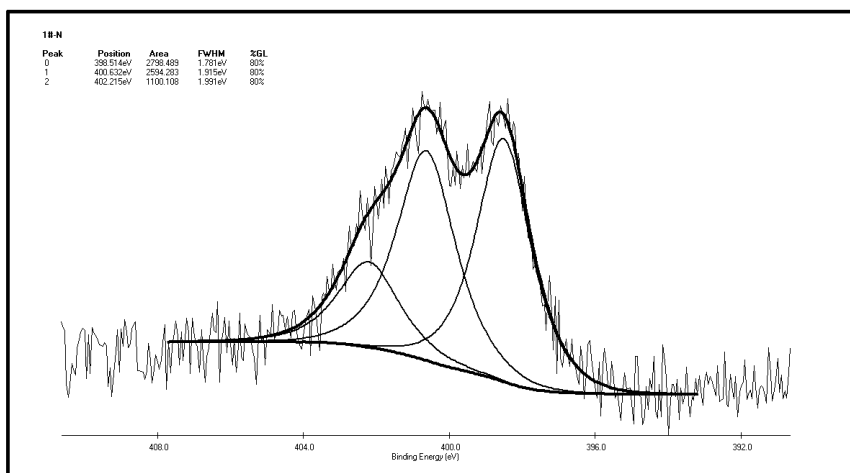
## 2. TEM of Nitrogen Doped Graphene



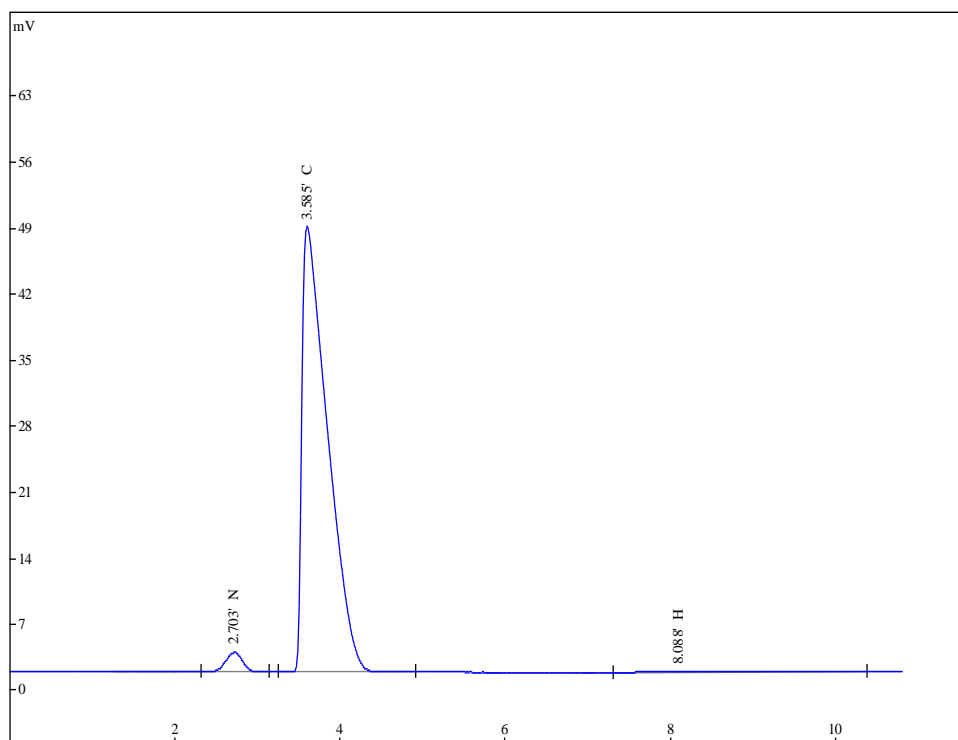
## 3. XPS characterization of Nitrogen Doped Graphene

| Element | Surface area | Atomic percent % |
|---------|--------------|------------------|
| C       | 63480.8      | 88.31            |
| N       | 6492.9       | 5.38             |
| O       | 11984.9      | 6.32             |





#### 4. Element analysis of Nitrogen Doped Graphene



| Element        | C     | N    | H    |
|----------------|-------|------|------|
| Content (% wt) | 83.57 | 7.71 | 0.23 |

## 5. Nitrogen isothermal absorption-desorption curve

