

## NANOMYTE® NAB-80E

### Active Material Characteristics

<b>Product IDs:</b>	NAB-80E (single-sided)   NAB-80E-DS (double-sided)
<b>Product Description:</b>	Sodium Hexacyanoferrate (Prussian Blue) electrode sheet
<b>Formula:</b>	$\text{Na}_{0.61}\text{Fe}[\text{Fe}(\text{CN})_6]_{0.94}$
<b>Average Particle Size (D<sub>50</sub>):</b>	3.6 μm
<b>Specific Surface Area:</b>	12.11 m <sup>2</sup> /g

### Electrode Tape Characteristics

<b>Current Collector:</b>	Aluminum (16 μm thick)
<b>Sheet Dimensions:</b>	5 in x 10 in (127 mm x 254 mm); coated edge-to-edge
<b>Calendared:</b>	Yes
<b>Electrode Coating:</b>	Single or Double-sided sheets (as specified)
<b>Coating Thickness:</b>	120 μm ± 5% (excluding current collector)
<b>Standard Expected Areal Capacity:</b>	0.9 mAh/cm <sup>2</sup> ± 5% (per side)
<b>Active Material Loading:</b>	7.84 mg/cm <sup>2</sup> ± 5% (per side)

#### Standard Tape Composition:

Wt. %	Material	Description
80%	Sodium Hexacyanoferrate	(active material)
10%	Poly(vinylidene fluoride) ["PVDF"]	(binder)
10%	Carbon Black ["Super P"]	(conductive carbon)

\*Specifications can be modified upon request to accommodate different active material loadings, coating thickness, & capacity.

### Electrochemical Characteristics

<b>Nominal Voltage vs. Na/Na<sup>+</sup>:</b>	3.0 V
<b>Minimum First Discharge Capacity:</b>	100 mAh/g (2.0-4.2 V@ 0.1C)
<b>Experimental First Discharge Capacity:</b>	115 mAh/g (2.0-4.2 V @ 0.1C)

### Available Quantities

Electrode sheets are available in packs of 2, 5, 10, 25, 50, & 100 sheets. Bulk quantities are available upon request.

### Precautions for Safe Storage & Handling

**Handling:** Appropriate personal protective equipment should be used at all times. Avoid contact with eyes and skin. Handle in a dry and well-ventilated area. Avoid actions that abrade, sand, or grind the coated surface, which can release respirable dust.

**Storage:** Store sheets flat and in a cool, dry place, away from heat and moisture.

**Note:** In its manufactured and shipped form, this article does not pose a physical hazard or health risk to humans or the environment. However, processing that generates dust or exposure to extreme temperatures may release hazardous particles.

**Refer to SDS for complete safety information of this material.**

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