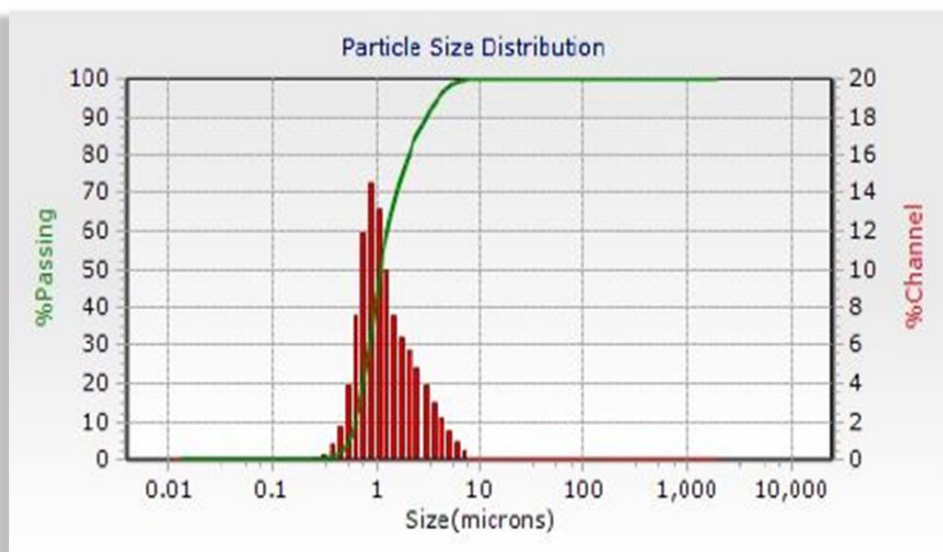
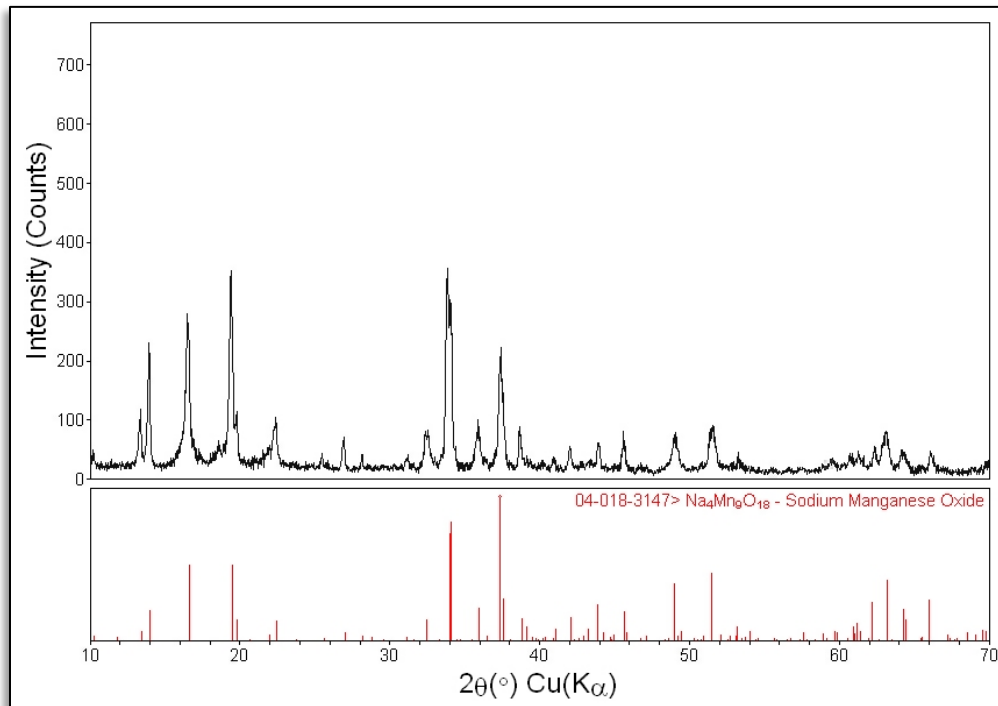


NANOMYTE® NAB-30 ($\text{Na}_{0.44}\text{MnO}_2$)

Material Characteristics

Product Description: Sodium Manganese Oxide powder
Formula: $\text{Na}_{0.44}\text{MnO}_2$
Structure: Hexagonal
Type: Cathode
Average Particle Size (D_{50}): $\sim 1.1 \mu\text{m}$
Specific Surface Area: 4 – 5 m^2/g



Percentiles	
%Tile Size(um)	
10.00	0.631
20.00	0.753
30.00	0.857
40.00	0.965
50.00	1.096
60.00	1.282
70.00	1.587
80.00	2.088
90.00	2.974
95.00	3.90

NANOMYTE® NAB-30 ($\text{Na}_{0.44}\text{MnO}_2$)

Electrical Characteristics

Nominal Voltage vs. Li/Li⁺:	2.8 V
Minimum Capacity:	100 mAh/g
Experimental Capacity:	≥ 105 mAh/g (@ 0.1C)

Recommended Operating Conditions

Maximum Charge Voltage:	3.8 V vs. Na/Na ⁺	Cutoff Voltage for Discharge:	2.0 V vs. Na/Na ⁺
Maximum Charge Current:	2C	Maximum Discharge Current:	2C

Available Quantities

NEI's Sodium-ion battery powders are available in quantities of 50g, 100g, 250g, 500g, & 1 kilogram or more.

Precautions for Safe Storage & Handling

Appropriate personal protective equipment should be used at all times. Provide appropriate exhaust ventilation at places where dust is formed. Keep container tightly closed in a dry and well-ventilated place.

Refer to SDS for complete safety information of this material.

NOTE: NEI Corporation believes that the information in this spec sheet is an accurate description of the typical use of the product. However, NEI disclaims any liability for incidental or consequential damages, which may result from the use of their products that are beyond its control. Employers should use this information only as a supplement to other information gathered by them and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. Therefore, it is the user's responsibility to thoroughly test the product in their particular application to determine its performance, efficacy, and safety. Nothing contained herein is to be considered as permission or a recommendation to infringe any patent or any other intellectual right.