**Product Information**

**Product Name**
LATP-coated Lithium Manganese Nickel Oxide (LMNO) Electrode Sheet

**Product Overview**
This product is a cast electrode tape of LATP-coated LMNO powder. Lithium manganese nickel oxide / spinel (LiMn1.5Ni0.5O4) is a cathode material that can be charged at high voltage (5V). Due to the high potential, the material has a higher energy density compared to lithium cobalt oxide and lithium iron phosphate. LMNO-based batteries can be used in high energy and high rate applications.

**Description**
We offers a variety of cathode electrode sheets that are suitable for a wide range of applications. Standard electrode sheets are cast on 5 inch x 10 inch (12.7 cm x 25.4 cm) sheets of aluminum foil current collectors, single-side coated with a 90% active material loading. We also offers custom tailored solutions for customers with unique specification requirements. Our tapes can be modified to accommodate different active material loadings, coating thickness, and binder type / content upon request.

**Formula**
LiMn1.5Ni0.5O4 with 1–5 wt% LATP

**CAS NO.**
12031-75-3

**Molecular Mass**
365.38 (Li2Mn3NiO8)

**Form**
Electrode Sheet

**Purity**
> 98%

**Active Material Loading**
0.9

**Average Particle Size (APS)**
5 – 8 µm

**Specific Surface Area**
1.2 – 1.3 m^2/g

**Current Collector**

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*FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY*

Address: 80 Orville Dr. Suite 100-10132 Bohemia, NY 11716
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E-mail: info@lifeasible.com
http://www.lifeasible.com
LATP-coated Lithium Manganese Nickel Oxide (LMNO) Electrode Sheet

Cat. No.  BE-118
Lot. No.  (See product label)

Current Collector Thickness

Sheet Size

Capacity

Tape Thickness

Standard Tape Composition

Nominal Voltage vs. Li/Li+

Minimum Capacity

Nominal Capacity at 0.1C

Charge Method

Maximum Charge Voltage

Maximum Charge Current

Cutoff Voltage for Discharge

Maximum Discharge Current

Handling

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Appropriate personal protective equipment should be used at all times. Provide good ventilation or extraction. Avoid contact with eyes and skin. Wash hands thoroughly after handling.

Notes
Employers should use the product 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.

Storage
Keep container tightly closed in a moisture-free and well-ventilated place.

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