

Specification Sheet

Li₄Ti₅O₁₂, Purity: >99%, APS: 1.5 – 3 μm

Stock No: NS6130-12-000318, CAS: 12031-82-2

Product	:	Lithium Titanate Oxide Powder
Stock No	:	NS6130-12-000318
CAS	:	12031-95-7
Purity	:	> 99%
APS	:	1.5 – 3 μm
Linear Formula	:	Li ₄ Ti ₅ O ₁₂
Color	:	White
Tap Density	:	1.1 – 1.5 g/cm ³
Specific Surface Area	:	5 – 9 m ² /g
Grain Size	:	50 – 90 nm
Crystal Structure	:	Spinel, cubic, Fd-3m
Crystal Density	:	3.485 g/cm ³
Stable Temperature Range	:	Up to 700°C
Nominal voltage vs. Li/Li ⁺	:	1.53V
Minimum Capacity	:	150 mAh/g
Nominal capacity at 0.1C	:	≥ 170 mAh/g
Recommended maximum charge voltage	:	3.0V vs. Li/Li ⁺
Recommended maximum charge current	:	5C
Recommended cutoff voltage for discharge	:	1.0V vs. Li/Li ⁺
Recommended maximum discharge current	:	10C
Main Inspect Verifier	:	Manager QC

Note: Product Specification are subject to amendment and may change over time

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Intelligent Materials Pvt. Ltd.

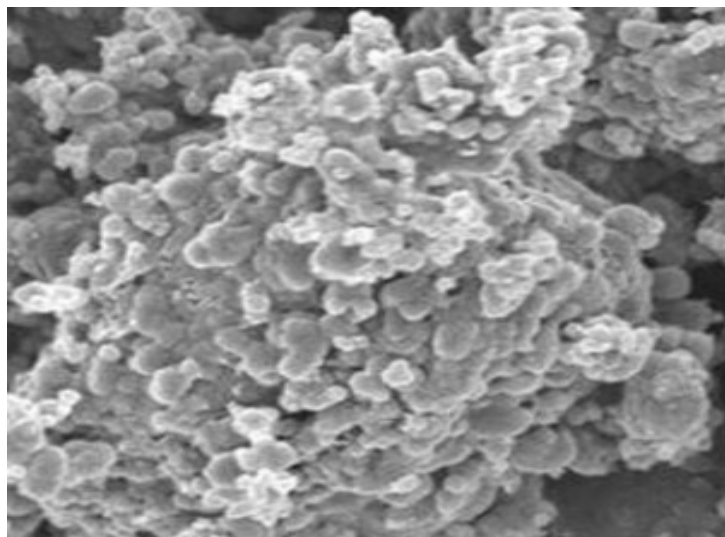
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Characterization of $\text{Li}_4\text{Ti}_5\text{O}_{12}$, Purity: >99%, APS: 1.5 – 3 μm



SEM - Lithium Titanate Oxide Powder



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Creating Miracles in Black