

# LAO SINGLE CRYSTAL substrate

**NS6130-10-1226**

## Quick Facts

Product	:	LAO Single Crystal Substrate
Stock No	:	NS6130-10-1226
Molecular Formula	:	LaAlO <sub>3</sub>
Purity	:	>99.9%
Wafer Orientation	:	(100)

## Technical Specification

Length	Width	Thickness	Surface finish
10 mm	10 mm	0.5 mm	< 10Å (RMS or Ra)

LAO (Lanthanum Aluminate, LaAlO<sub>3</sub>) is a popular single crystal substrate used in the field of materials science and engineering, particularly in the growth of oxide thin films for electronic and optoelectronic applications. LAO is highly desirable for the growth of thin films with a well-defined crystallographic orientation, which is crucial for controlling the electronic and optical properties of the films. LAO single crystal substrates are available commercially and are widely used in research laboratories and industrial settings for the growth of thin films for various applications, such as electronic and optoelectronic devices, energy storage, and catalysis.



\* This image is for graphic purposes only and does not represent the actual product.

