

# Certificate of Analysis

SIGMA-ALDRICH®

**Product Name** 1-Nitropyrene,  
≥95%  
**Product Number** N22959  
**Product Brand** SIGMA  
**CAS Number** [5522-43-0](#)  
**Molecular Formula** C<sub>16</sub>H<sub>9</sub>NO<sub>2</sub>  
**Molecular Weight** 247.25  
**Storage Temp** room temp

## TEST

## SPECIFICATION

## LOT 06511ES RESULTS

### APPEARANCE

YELLOW TO ORANGE TO  
BROWN POWDER

GOLD POWDER

### INFRARED SPECTRUM

CONFORMS TO  
STRUCTURE.

CONFORMS TO  
STRUCTURE AND  
STANDARD AS  
ILLUSTRATED ON PAGE  
2350D OF EDITION I,  
VOLUME 2 OF "THE  
ALDRICH LIBRARY OF  
FT-IR  
SPECTRA".

### ELEMENTAL ANALYSIS

CARBON 76.5%-78.9%  
NITROGEN 5.4%- 5.9%

CARBON 77.73%  
HYDROGEN 3.51%  
NITROGEN 5.59%

### HIGH PRESSURE LIQUID QUALITY CONTROL

98.5% (MINIMUM)

99.9 %  
MAY, 1998



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