

TIQ-F-QC-001 Rev.00

## Certificate Of Analysis

Product Name : n-Hexane 99 % For HPLC &amp; UV Spectroscopy

Catalog Number : B-3090

Batch Number : 3090 -00000000

CAS Number : 110-54-3

Molecular Weight : 86,18 g/mol

Mol. Formula : C<sub>6</sub>H<sub>14</sub>

Expire Date : 60 Months

**SAMPLE**

| No | Test                                                         | Specifications                  | Results                  |
|----|--------------------------------------------------------------|---------------------------------|--------------------------|
| 1  | Appearance                                                   | A Clear colorless liquid        | A Clear colorless liquid |
| 2  | Assay (GC)                                                   | min 99.0 %                      | 99.55%                   |
| 3  | Wt. Per ml at 20 °C                                          | 0.658 – 0.669 g/cm <sup>3</sup> | 0.662 g/cm <sup>3</sup>  |
| 4  | Colour                                                       | max 10 Hazen                    | < 10 Hazen               |
| 5  | Non-volatile matter                                          | max 0.0005 %                    | 0.00027%                 |
| 6  | Acidity (as CH <sub>3</sub> COOH)                            | max 0.001 %                     | 0.00021%                 |
| 7  | Water (H <sub>2</sub> O)                                     | max 0.01 %                      | 0.0083%                  |
| 8  | Maximum UV Absorbance<br>in 1.0 cm cell against water at λ : |                                 |                          |
| 9  | 200 nm                                                       | 1.00                            | 0.551                    |
| 10 | 210 nm                                                       | 0.30                            | 0.22                     |
| 11 | 220 nm                                                       | 0.10                            | 0.067                    |
| 12 | 230 nm                                                       | 0.05                            | 0.006                    |
| 13 | 250 nm                                                       | 0.01                            | 0.002                    |

Corresponds For HPLC &amp; UV Spectroscopy Grade

**LABOTIQ** Standard of Product Reference to Analar standard and ACS specification

SUDIROS S.Si.  
Manager QC