

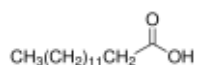
3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:  
Myristic acid - ≥95%, FCC, FG

Product Number: **W276405**  
CAS Number: 544-63-8  
MDL: MFCD00002744  
Formula: C<sub>14</sub>H<sub>28</sub>O<sub>2</sub>  
Formula Weight: 228.37 g/mol



### TEST

### Specification

|                           |                             |
|---------------------------|-----------------------------|
| Appearance (Color)        | White                       |
| Appearance (Form)         | Corresponds to Requirements |
| Powder, Flakes, or Chips  |                             |
| Infrared spectrum         | Conforms to Structure       |
| Residue on ignition (Ash) | ≤ 0.1 %                     |
| Purity (GC)               | ≥ 95.0 %                    |
| Solidification Point      | 48.0 - 55.5 °C              |
| Saponification Value      | 242.0 - 251.0               |
| Acid Value                | 242.0 - 249.0 ml            |
| Iodine Value              | ≤ 1.0                       |
| Unsaponifiable Matter     | ≤ 1.0 %                     |
| Water (by Karl Fischer)   | ≤ 0.2 %                     |
| Organoleptics             | Pass                        |
| Trace Metal Analysis      | ≤ 2 ppm                     |
| As Pb FCC Specification   |                             |
| Arsenic (As)              | ≤ 3 ppm                     |
| Cadmium (Cd)              | ≤ 1 ppm                     |
| Mercury (Hg)              | ≤ 1 ppm                     |
| Expiration Date Period    | -----                       |
| 5 Years                   |                             |

Specification: PRD.5.ZQ5.10000010966

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.