

## Certificate of Analysis

### (Representative Sample Certificate)

**Product Name:** Stearic Acid  
**INCI Name:** Stearic Acid  
**CAS Number:** 57-11-4  
**Lot Number:** Not available (data may vary slightly with different lots or batches)  
**Expiration Date:** 24 months from production date

| Characteristic                  | Specifications | Values    |
|---------------------------------|----------------|-----------|
| Acid value, MG KOH/G            | 205.0-211.0    | 208.2     |
| Palmitic Acid, Wt. %            | 40.0 min       | 45.8      |
| C16 Plus C18 Acids, Wt %        | 90.0 min       | 93.2      |
| Stearic Acid, Wt %              | 40.0 min       | 47.4      |
| Color, % Trans., 440 NM         | 93 min         | 96        |
| Iodine Value                    | 0.50 max       | 0.10      |
| Saponification Value            | 206-212        | certified |
| Titer, C                        | 54.5-55.5      | 54.8      |
| Assay, NF                       | n/a            | Certified |
| Congealing Temp, C, NF          | 53 min         | Certified |
| Heavy Metals, NF, %             | 0.001 max      | Certified |
| Residue on Ignition, NF %       | 0.1 max        | Certified |
| Mineral Acidity, NF             | n/a            | Certified |
| Neutral Fats or Paraffin, NF    | n/a            | Certified |
| Organic Volatile Impurities, NF | n/a            | Certified |
| Residual Solvents, NF           | n/a            | Certified |

The above data were obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed.

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