

# Hystrene<sup>®</sup> 5016 NF Food Grade Powder

Stearic Acid 50

CAS Registry Number: 57-11-4

## Product Specifications

<u>Properties</u>	<u>Specifications</u>	<u>Method</u>
Acid Number	206.0 – 210.0	FA1003
Titer ° C	54.5 – 56.5	FA1005A
GLC-C14	0.0 – 5.0	FA1015
GLC-C16	46.0 – 56.0	FA1015
GLC-C18	40.0 – 50.0	FA1015
GLC-C16 + C18	90.0 – 100.0	FA1015
Iodine Value	0.0 – 0.5	WM1009
Lovibond (5.25) Red	0.00 – 0.10	WM1002
Lovibond (5.25) Yellow	0.00 – 1.00	WM1002
<u>Acidity</u>	Meets Standard	Current NF
<u>Heavy Metals</u>	0.000 – 0.0010	Current NF
NF Identification A – <u>Freezing Point</u> ° C	53.0 – 59.0	Current NF
NF Identification B – Acid Number	194.0 – 212.0	Current NF
NF Identification C – Palmitic Acid	Meets Standard	Current NF
NF Identification C – Stearic Acid	Meets Standard	Current NF
Neutral Fats	Meets Standard	Current NF
Residual Solvents	Meets Standard	Current NF
Residue on <u>Ignition</u>	0.0000 – 0.10000	Current NF
<u>Saponification Value</u>	207.0 – 211.0	FA1007
Particle Size % Thru 100 Mesh	95.0 – 100.0	L 075660
Particle Size % Thru 30 Mesh	99.5 – 100.0	L 075660
Transmittance <u>Color @</u> 440 nm	92.0 – 100.0	FA1023
Transmittance <u>Color @</u> 550 nm	98.0 – 100.0	FA1023
<u>Unsaponifiables</u>	0.00 – 0.20	FA1006
Water	0.00 – 0.20	WM1011

Magnesium Oxide • Sulfur • Waxes • Barium Sulfate • Alumina Trihydrate • Solvents • Zinc Oxide • Calcium Carbonates  
 Mica • Aromatic, Naphthenic, Paraffinic Process Oils • Gilsonite • Kaolin Clay • ASTM Reference Oils • Zinc Dust  
 Rubber Accelerators • EPDM • Precipitated Silica • Zinc Dust • White Oils • Transformer Oils • Metallic Stearates

Quotations unless otherwise noted subject to prior sales and change without notice

## Hystrene® 5016 NF Food Grade Powder

### Safety and Handling

Most Hystrene® fatty acids are not primary skin irritants by the Draize Test (Federal Hazardous Substances Act). Avoid contact with skin and eyes.

Avoid direct contact with skin and eyes. In case of accidental eye contact, flush with large amounts of water and call a physician. If swallowed, call a physician.

Hystrene® fatty acids are not regulated by the Department of Transportation (DOT). They are not corrosive and not flammable by DOT definitions. However, if these products are supplied in powder form, in-process dusting should be minimized, otherwise an explosive hazard could develop. Avoid all sources of ignition when handling this product.

The Hystrene® fatty acids, though chemically stable, should be kept away from strong oxidizing agents. Contact with metals such as iron, copper, or copper alloys may cause or increase discoloration of fatty acids. In general they should not remain at temperatures greater than 130 °F (54 °C) for extended periods of time. Melting points will vary, however, according to individual products' titer values ..

*Please consult the Safety Data Sheet for additional information on safety, handling and storage before using this product.*