

TECHNICAL DATA SHEET

FATTY ACIDS | HYSTRENE RANGE

Pharmaceutical | Cosmetics | Food Grades | Stearic & Palmitic Acids

Hystrene saturated and unsaturated fatty acids represent the highest quality refined products offered by PMC Biogenix. They are among the finest commercially available anywhere, ranging in chain length from short-chain lauric acid (c12) to long-chain behenic (c22) fatty acids.

Hystrene fatty acids are characterized by light colour and excellent oxidative and thermal stability. Their superior quality makes them useful in a wide range of sensitive applications, such as in personal care products, waxes, textile auxiliaries, pharmaceuticals, food grade products, plastics and emulsifiers, as well as a host of demanding chemical intermediates.

| PMC BIOGENIX Stearic & Palmitic Acids Pharma-Food | Acid Description (CTFA Adopted name) CAS nr | Kosher | Titer | Iodine Value WM 1009 | Acid Number | Unsap Max | %Trans 450/550 | Color Lovi-Bond | Typical Carbon Chain Distribution | | | | | | |
|---|---|--------|-----------|----------------------|-------------|-----------|----------------|-----------------|-----------------------------------|-----|-----|-------------------|-----|--------|---|
| | | | | | | | | | Saturated C14-C18 | | | Saturated C20-C22 | | Others | |
| | | | | | | | | | C14 | C16 | C18 | C20 | C22 | | |
| Unity | | | °C | | | % | Nm,Min | Max | | | | | | | |
| Method | | | FA 1005A | WM 1009 | FA 1003 | FA 1006 | FA 1023 | WM 1002 | FA 1015 | | | | | | |
| HYSTRENE | | | | | | | | | | | | | | | |
| 9016 | 90% Palmitic Palmatic Acid 57-10-3 | | 59-62 | 0.5 Max | 214-219 | 0.2 | 92/98 | 1.0Y-0.1R | 1 | 92 | 6 | | | | 1 |
| 4516 NF-FG | 45% Palmitic Palmatic Acid 57-11-4 | ☞ | 55-59 | 0.5 Max | 203-209 | 0.25 | 92/98 | 1.0Y-0.1R | 1 | 44 | 54 | | | | 1 |
| 5016 NF-FG | 50 % Stearic Triple Pressed Stearic Acid. 57-11-4 | ☞ | 54.5-56.5 | 0.5 Max | 206-210 | 0.2 | 92/98 | 1.0Y-0.1R | 2 | 51 | 45 | | | | 2 |
| 7018 FG | 70% Stearic Hydrogenated Acid 57-11-4 | | 58-62 | 0.8 Max | 201-207 | 0.4 | 85/98 | 2.0Y-0.3R | 2 | 28 | 66 | | | | 4 |
| 9718 NF-FG | 95% Stearic Stearic Acid 57-11-4 | | 66.5-69 | 0.5 Max | 195-200 | 0.3 | 92/98 | 1.0Y-0.1R | | 4 | 94 | | | | 2 |
| 226 FG Food & cosmetics | Distilled Soy Fatty Acid 67701-08-0 | ☞ | 26 Max | 127-138 | 195-203 | 2 | 70/85 | 3 Gardner | | 11 | 4 | 24 | 6 | | 2 |

All above grades

- have no odor or taste
- meet the latest edition of the European (EuP) , United States (USP) and Japanese Pharmacopeia (JP)
- meet FDA 21 CFR 172.860
- are in compliance with the purity requirements of the BP, DAB or French Codex
- meet Food Chemical Codex (FCC)
- are subject to usual tolerances.

Other special grades are available on request.

EMEA Stocking distributor for Biogenix Fatty acids range.

The technical data in this specification are average value and are not legally binding.