

TECHNICAL DATA SHEET

**FATTY ACIDS | HYSTRENE RANGE**  
**Cosmetic Grades | Myristic - Arachidic – Behenic – Erucic 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 Erucic (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 Myristic – Arachidic – Behenic – Erucic acids.	Acid Description (CTFA Adopted name) CAS nr	Field Cosmetics	Titer	Iodine Value WM 1009	Acid Value	Unsap Max	%Trans 450/550	Color Lovi-Bond / Gardner	Typical Carbon Chain Distribution						
									Saturated C14-C18			Saturated C20-C22			Others
									C12	C14	C16	C18	C20	C22	
Unity			°C			%	Nm,Min	Max							
Method			FA 1005A	WM 1009	FA 1003	FA 1006	FA 1023		FA 1015						
<b>HYSTRENE</b>															
<b>9014</b>	90% Myristic Myristic Acid 544-63-8	Emulsifier, Opacifier, Surfactant, Cleansing	50-54	0.5 Max	238-219	0.3	85/96	2.0Y-0.2R Lovi	2	92	4				2
<b>9514</b>	95% Myristic Myristic Acid 544-63-8	Emulsifier, Opacifier, Surfactant.	52-54	0.5 Max	241-247	0.3	92/98	1.0Y-0.1R Lovi	1	97	1				1
<b>3022</b>	30% Arachidic + Behenic Acid. 112-85-6	Emulsifier, Opacifier, Surfactant, Cleansing	51-55	4 Max	193-201	1.5	50/90	3 Gardner		6	30	30	30		4
<b>5522</b>	55% Arachidic + Behenic Acid. 112-85-6	Emulsifier, Opacifier, Surfactant, Cleansing	60-63	4 Max	178-185	1.5	50/90	3 Gardner			14	26	55		5
<b>6522</b>	60% Behenic Acid. 112-85-6	Emulsifier, Opacifier, Surfactant, Cleansing	68-71	2 Max	169-177	1.5	50/90	3 Gardner				27	10	60	3
<b>7022</b>	70% Arachidic + Behenic Acid. 112-85-6	Emulsifier, Opacifier, Surfactant, Cleansing	63-67	3 Max	170-180	1.5	50/90	3 Gardner				23	72		5
<b>8522</b>	85% Behenic Acid. 112-85-6	Emulsifier, Opacifier, Surfactant, Cleansing		3 Max	165-175	2.0	75/90	2 Gardner					14	84	2
<b>9022</b>	90% Arachidic + Behenic Acid. 112-85-6	Emulsifier, Opacifier, Surfactant, Cleansing	67-72	3 Max	165-175	1.5	50/90	3 Gardner				6	90		4
<b>9022</b>	90% Erucic Acid. 112-86-7	Conditioning ; Protection	27-37	65-90	160-185	2.0		5 Gardner				1	3	90	6

All above grades

- have no odor or taste
- used in eye makeup, soaps and detergents, hair care products, nail care products, shaving products and other skin care products such as creams – lotions – gels.
- meet cosmetics purity regulations.
- are subject to usual tolerances.

EMEA Stocking distributor for Biogenix Fatty acids range.

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