

Kraton Performance Products Represented by Univar

CENTURY™ Fatty Acids

Property	Test Method*	Specification	Typical Value	Applications
CENTURY™ 1105 ISOSTEARIC ACID				
A unique mixture of branched and straight-chain saturated C-18 fatty acids. The high content of branched acids makes CENTURY 1105 Isostearic Acid a liquid product, while the very low level of unsaturation results in excellent oxidative stability.				
Acid Number, mg KOH/g	AQCM 001	180 Minimum	181	<ul style="list-style-type: none"> • Lubricants • Metalworking • Oilfield Chemicals • Surfactants • Oilfield Chemicals
Color, Gardner	AQCM 002	3 Maximum	2	
Moisture, %	AQCM 008	0.2 Maximum	0.05	
Saponification Number, mg KOH/g	AQCM 019	180 Minimum	184	
Iodine Number, cg I/g	AQCM 009	12 Maximum	8	
Titer, °C	AQCM 200	10 Maximum	6	
Color, % Transmission at 440/550	AQCM 122	30/85 Minimum	72/98	
CENTURY™ 1107 ISOSTEARIC ACID				
A highly purified mixture of branched and straight chain C-18 fatty acids. The low Iodine number and high Acid number content of CENTURY 1107 is of particular value for more demanding applications, such as high-performance lubricant additives, personal care, and metalworking.				
Acid Number, mg KOH/g	AQCM 001	185 - 195	186	<ul style="list-style-type: none"> • Lubricants • Metalworking • Personal Care
Color, Gardner	AQCM 002	3 Maximum	<1	
Moisture, %	AQCM 008	0.2 Maximum	0.05	
Saponification Number, mg KOH/g	AQCM 019	186 - 198	189	
Iodine Number, cg I/g	AQCM 009	8 Maximum	6	
Titer, °C	AQCM 200	10 Maximum	5	

*Kraton test methods available upon request.

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Property	Test Method*	Specification	Typical Value	Applications
CENTURY™ 1224 STEARIC ACID				
A saturated fatty acids product containing approximately 70% C-18 stearic acid with typically 23% methyl branched C-18 saturated acids.				
Acid Number, mg KOH/g	AQCM 001	185 Minimum	195	<ul style="list-style-type: none"> • Lubricants • Greases • Candles • Rubber Compounding • Stearate Feedstock
Color, Gardner	AQCM 002	3 Maximum	1	
Moisture, %	AQCM 085	0.25 Maximum	0.1	
Iodine Number, cg I/g	AQCM 009	5 Maximum	2	
Titer, ° C	AQCM 200	60 Minimum	64	
CENTURY™ D1 MONOMER ACID				
Special fatty acids product that contains both saturated and unsaturated C-18 fatty acids. Branched chain iso-oleic acids constitute the main portion, with a low level of polyunsaturated fatty acids.				
Acid Number, mg KOH/g	AQCM 001	170 - 185	174	<ul style="list-style-type: none"> • Lubricants • Metalworking • Paste Soaps and Detergents • Flotation Reagents • Textile Lubricants
Color, Gardner	AQCM 002	6 Maximum	3	
Moisture, %	AQCM 085	0.3 Maximum	0.03	
Sap Number, mg KOH/g	AQCM 019		181	
Iodine Number, cg I/g	AQCM 009		75	
Titer, ° C	AQCM 081		32	
Unsaponifiables, %	AQCM 011		7	
CENTURY™ MO5 MONOMER ACID				
Special fatty acids product that contains both saturated and unsaturated C-18 fatty acids. Branched chain iso-oleic acids constitute the main portion, with a low level of polyunsaturated fatty acids.				
Acid Number, mg KOH/g	AQCM 001	166 Minimum	174	<ul style="list-style-type: none"> • Lubricants • Metalworking • Paste Soaps and Detergents • Flotation Reagents • Textile Lubricants
Color, Gardner	AQCM 002	5 Maximum	3	
Moisture, %	AQCM 085	1 Maximum	0.05	
Viscosity, Cannon-Fenske 100 ° F	AQCM 111	150 - 200	174	
Sap Number, mg KOH/g	AQCM 019		183	
Iodine Number, cg I/g	AQCM 009		80	
Titer, ° C	AQCM 081		30	

*Kraton test methods available upon request.

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