

Kraton Performance Products Represented by Univar



UNIDYME™ Dimer and Trimer Acid Products

UNIDYME™ Dimer and Trimer Acids are high molecular weight, highly functionalized dibasic and polybasic acids. They are produced in Dover, Ohio from pine based raw materials, and have 100% bio-based content.

Property	Test Method*	Specification	Typical Value	Applications
UNIDYME™ 14 DIMER ACID				
Acid Number, mg KOH/g	AQCM 001	193 - 198	194	<ul style="list-style-type: none"> • Ink Polyamides • Hot Melt Polyamides for Adhesives • Polyester Resins • Curing Agents • Oilfield Chemicals
Color, Gardner	AQCM 002C	5 Maximum	4	
Monomer Acids by GC, %	AQCM 126	0.3 Maximum	0.2	
Dimer Acids by GC, %	AQCM 126	92.7 – 97.0	95	
Polymer Acids by GC, %	AQCM 126	3.0 – 7.0	5	
Moisture, %	AQCM 008	0.25 Maximum	0.1	
UNIDYME™ 18 DIMER ACID				
Acid Number, mg KOH/g	AQCM 001	190 - 196	192	<ul style="list-style-type: none"> • Ink Polyamides • Hot Melt Polyamides for Adhesives • Alkyd Resins • Curing Agents • Synthetic Lubricants • Corrosion Inhibitors
Color, Gardner	AQCM 002C	7 Maximum	6	
Monomer Acids by GC, %	AQCM 126	2.0 Maximum	1.5	
Dimer Acids by GC, %	AQCM 126	79 - 85	82	
Polymer Acids by GC, %	AQCM 126	15 - 19	17	
Moisture, %	AQCM 008	0.25 Maximum	0.1	
Fe, ppm	AQCM 198	1 Maximum	0.1	
P, ppm	AQCM 198	25 Maximum	3	
UNIDYME™ 22 DIMER ACID				
Acid Number, mg KOH/g	AQCM 001	190 - 196	192	<ul style="list-style-type: none"> • Ink Polyamides • Hot Melt Polyamides for Adhesives • Alkyd Resins • Curing Agents • Synthetic Lubricants • Corrosion Inhibitors
Color, Gardner	AQCM 002C	8 Maximum	7	
Monomer Acids by GC, %	AQCM 126	1.0 – 3.0	2	
Dimer Acids by GC, %	AQCM 126	78 - 84	81	
Polymer Acids by GC, %	AQCM 126	15 - 19	17	
Moisture, %	AQCM 008	0.25 Maximum	0.1	
Fe, ppm	AQCM 198	2 Maximum	<1	

*Kraton test methods available upon request.

UNIDYME™ Dimer and Trimer Acids

Property	Test Method*	Specification	Typical Value	Applications
UNIDYME™ 35 DIMER ACID				
Acid Number, mg KOH/g	AQCM 001	181 Minimum	192	<ul style="list-style-type: none"> • Corrosion Inhibitors • Synthetic Lubricants • Rheology Modifiers
Color, Gardner	AQCM 002C	14 Maximum	9	
Monomer Acids by GC, %	AQCM 126	4.0 Maximum	1.6	
Dimer Acids by GC, %	AQCM 126	71 - 85	81	
Polymer Acids by GC, %	AQCM 126	15 - 25	17	
Moisture, %	AQCM 008	0.25 Maximum	0.1	
UNIDYME™ 60 TRIMER ACID				
Acid Number, mg KOH/g	AQCM 001	175 Minimum	180	<ul style="list-style-type: none"> • Corrosion Inhibitors • Synthetic Lubricants • Rheology Modifiers
Monomer Acids by GC, %	AQCM 126	1.0 Maximum	0.7	
Trimer Acids by GC, %	AQCM 126	51 Minimum	59	
Moisture, %	AQCM 008	0.2 Maximum	0.1	
Typical Values: Dimer Acids by GC 41%, Gardner Color 12				

*Kraton test methods available upon request.

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