



ARI Energy Co, LLC

Biodiesel B-100

PROPERTY	METHODS	RESULTS	UNITS	LIMITS	
				Min.	Max.
Visual Inspection ^①	ASTM D4176	1	haze	-	2
Water content ^①	ASTM D6304	155	ppm	Report to customer	
Density @ 15°C ^①	ASTM D1298	0,8774	g/ml	Report to customer	
Flash point (closed cup) ^①	ASTM D93	176	°C	93	-
Water & Sediment ^①	ASTM D2709	<0,005	% (vol.)	-	0.050
Kinematic Viscosity @ 40°C ^①	ASTM D445	4,4774	mm ² /s	1.9	6.0
Sulphated Ash ^①	ASTM D874	[<0,005]	% (mass)	-	0.020
Sulphur content ^①	ASTM D5453	4,8	ppm	-	15
Phosphorous Content ^①	ASTM D4951	[0,000033]	% (mass)	-	0.001
Copper Corrosion, 3 hrs @ 50°C ^①	ASTM D130	[1A]	-	-	No.3
Cetane Number ^①	ASTM D613	[59,5]	-	47	-
Cloud Point ^①	ASTM D2500	11,5	°C	Report to customer	
Distillation @ 90% ^①	ASTM D1160	[351,3]	°C	-	360
Carbon Residue ^①	ASTM D4530	[0,005]	% (mass)	-	0.050
Acid Number ^①	ASTM D664	0,33	mg KOH/g	-	0.50
Free Glycerin ^①	ASTM D6584	0,0021	% (mass)	-	0.020
Monoglycerides ^①	ASTM D6584	0,3261	% (mass)	-	0.40
Total Glycerin ^①	ASTM D6584	0,0910	% (mass)	-	0.240
Calcium and Magnesium, Combined ^①	EN 14538	[1,0]	ppm	-	5
Sodium and Potassium, Combined ^①	EN 14538	[0,2]	ppm	-	5
Oxidation Stability ^①	EN 15751	14,39	hours	3	-
Cold Soak Filtration Test ^①	ASTM D7501	126	sec	-	200

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