



U. S. Oil & Refining Co.

3001 Marshall Avenue, Tacoma, Washington, 98421 (253) 383-1651

Product Specification BIODIESEL BLEND B10 & B20

Property	ASTM Method	Specifications	
		Min.	Max
Acid Number, mg KOH/g	D 664B		0.3
Viscosity @ 40°C, mm ² /S (cSt)	D 445	1.9	4.1
Flash Point, °C	D 93	52	
Cold Filter Plugging Point (CFPP), °C	D 6371		
Summer ¹			-6
Winter ²			-12
Sulfur, ppm	D 5453		15
Distillation – 90% recovered, °C	D 86		343
Carbon – Residue on 10% distillation, % mass	D 4530		0.35
Cetane Index	D 976	40	
Ash, mass %	D 482		0.01
Water & Sediment, Volume %	D 2709		0.05
Corrosion, Copper Strip, rating 3h @ 50°C	D 130		3
Biodiesel content, volume %	D 7371		10.-20.
Oxidation Stability, hours	EN 15751	6	
Lubricity, High Frequency Reciprocating Rig (HFRR) @60°C, micron	D 6079		520
Conductivity, pS/m	D 2624	50	
Haze point	D 4176	Clear and bright @ ambient Temperature	

Conforms to ASTM D 7467, Grade B6-B20 S15 Specification.

1) Summer: March 1 – October 31

2) Winter: November 1 – February 29