



Especificaciones de producto Sustainable Aviation Fuel SAF

Based on ASTM D7566 Annex A2 HEFA-SPK

Property (unit)	Test method	Specification limit	
		Min	Max
Acidity (mg KOH/g)	D3242		0.015
1. Physical distillation	D86		
10% Recovered, T10 (°C)			205
50% Recovered, T50 (°C)		Report	
90% Recovered, T90 (°C)		Report	
Final boiling point (°C)			300
T 90-T10 (°C)		22	
Distillation residue (vol-%)			15
Distillation loss (vol-%)			15
2. Simulated distillation		D2887	
10% Recovered, T10 (°C)	Report		
20% Recovered, T10 (°C)	Report		
50% Recovered, T50 (°C)	Report		
80% Recovered, T10 (°C)	Report		
90% Recovered, T90 (°C)	Report		
Final boiling point (°C)	Report		
Flash point (°C)	IP170	38	
Density at 15°C (kg/m3)	D4052	730	772
Freezing point (°C)	IP529		-40
Existent gum (mg/100ml)	IP540		7
FAME (mg/kg)	IP585		< 5
Thermal stability, 2.5 h at 325°C:	D3241		
Filter pressure drop (mmHg)			25
Tube rating - one of the following requirements shall be met:			
1. VTR		Less than 3	
VTR color code		No peacock or abnormal color deposits	
2. ITR or ETR, deposit thickness average over area of 2.5 mm ² (mm)			85

Property (unit)	Test method	Specification limit	
		Min	Max
Other properties (at point of manufacture)			
Cycloparaffins (m-%)	D2425		15
Aromatics (m-%)			0.5
Paraffins (m-%)		Report	
Carbon and hydrogen (m-%)	D5291	99.5	
Nitrogen (mg/kg)	D4629		2
Water (mg/kg)	D6304		75
Sulfur (mg/kg)	D5453		15
Metals (Al, Ca, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, Pd, Pt, Sn, Sr, Ti, V, Zn) (mg/kg)	D7111		0.1 per metal
Halogens (mg/kg)	D7359		1
Additives			
Antioxidant, mandatory (mg/l, active component)		17	24
Electrical conductivity improver, non-mandatory:			
Initial dosing (mg/l)			3
After field redosing, cumulative concentration (mg/l)			5

For further information on approved additives, test methods and other requirements, see ASTM D7566 Standard Specification for Aviation Turbine Fuel Containing Synthesized Hydrocarbons.