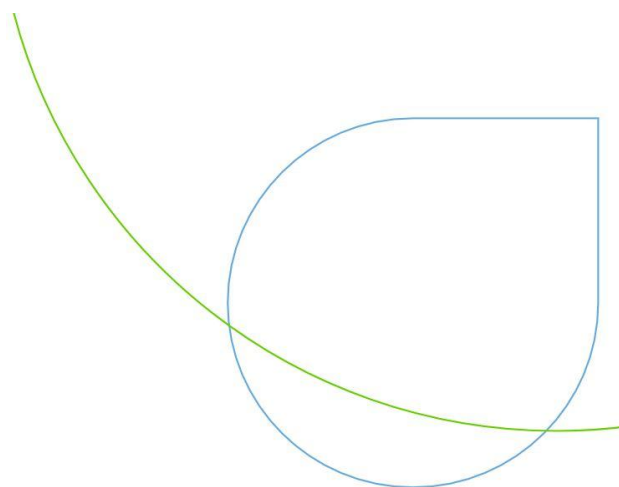


Product Data Sheet

Neste MY Renewable Jet Fuel

9/24/2019

Based on ASTM D7566 Annex A2 HEFA-SPK.



Property (unit)	Test method	Specification limit		Neste MY Renewable Jet Fuel, typical value	
		Min	Max		
Acidity (mg KOH/g)	D3242		0.015	0.002	
1. Physical distillation					
10 % recovered, T10 (°C)	D86		205	198	
50 % recovered, T50 (°C)		Report			
90 % recovered, T90 (°C)		Report			
Final boiling point (°C)			300	287	
T90-T10 (°C)		22		84	
Distillation residue (vol-%)			1.5	1.5	
Distillation loss (vol-%)			1.5	0.9	
2. Simulated distillation					
10 % recovered, T10 (°C)	D2887		Report		
50 % recovered, T50 (°C)		Report			
90 % recovered, T90 (°C)		Report			
Final boiling point (°C)		Report			
Flash point (°C)	IP170	38		47	
Density at 15 °C (kg/m ³)	D4052	730	772	771.5	
Freezing point (°C)	IP529		-40	-50	
Existent gum (mg/100ml)	IP540		7	2	
FAME (mg/kg)	IP585		< 5	< 4.5	
Thermal stability, 2.5 h at control temperature:					
Temperature (°C)	D3241	325		325	
Filter pressure drop (mmHg)			25		1
Tube rating - one of the following requirements shall be met:					
1. VTR			Less than 3		< 1
VTR color code			No peacock or abnormal color deposits		No peacock or abnormal color deposits
2. ITR or ETR, deposit thickness average over area of 2.5 mm ² (nm)				85	< 85

<i>Other properties (only at point of manufacture)</i>				
Cycloparaffins (m-%)			15	5
Aromatics (m-%)	D2425		0.5	0.1
Paraffins (m-%)		Report		
Carbon and hydrogen (m-%)	D5291	99.5		100
Nitrogen (mg/kg)	D4629		2	< 0.3
Water (mg/kg)	D6304		75	20
Sulfur (mg/kg)	D5453		15	< 1
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	< 0.1 per metal
Halogens (mg/kg)	D7359		1	< 1

Additives				
Antioxidant, mandatory (mg/l, active component)		17	24	21
Electrical conductivity improver, non-mandatory:				
Initial dosing (mg/l)			3	< 3
After field redosing, cumulative concentration (mg/l)			5	< 5

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