



CERTIFICATE OF ANALYSIS FOR 100LL AVIATION GASOLINE PRODUCT

National Transportation Safety Board

490 L'Enfant Plaza E SW

Washington, DC 20594

Report Date: 11/13/2020

Report Number: A201111009

Sample ID: CEN21FA024

Sample Type: 100LL Aviation Gasoline

<u>Tests Requested</u>		<u>Result</u>	<u>ASTM Method</u>	<u>Specification</u>	
				<u>min</u>	<u>max</u>
Composition	Aromatics (Vol%)	0.5	D 1319		
	Sulfur (Wt%)	0.0004	D 2622		0.05
Volatility	IBP	36.3	D 86		
	Distillation 10 Vol% Rec (°C)	79.0	*		75
	Distillation 40 Vol% Rec (°C)	101.6		75	
	Distillation 50 Vol% Rec (°C)	103.9			105
	Distillation 90 Vol% Rec (°C)	114.5			135
	Distillation Final Boiling Point (°C)	154.8			170
	Distillation Recovery (Vol %)	98.5		97	
	Distillation Residue (Vol %)	0.9			1.5
	Distillation Loss (Vol %)	0.6			1.5
	Sum of 10% and 50% (°C)	183		135	
	Density (kg/m ³)	699.7	D 4052		
Combustion	Heat of Combustion (MJ/kg)	44.394	D 3338	43.5	

Notes:

Where appropriate, these tests meet the specification standards of ASTM D910 for Aviation Gasoline except those marked "**".

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