



CERTIFICATE OF ANALYSIS

National Transportation Safety Board
490 L'Enfant Plaza E SW
Washington, DC 20594
Attn: Nancy McAtee
[REDACTED]

Report Date: 11/17/2022
Laboratory ID: A221019012
Sample Type: 100LL AvGas
Sample Date: 10/11/2022
Sample ID: N300BH Fuel Sample
Customer PO#: WPR22LA271/N300BH

<u>Tests Requested</u>	<u>Result</u>		<u>Units</u>	<u>Test Method</u>	<u>Specification</u>	
					<u>min</u>	<u>max</u>
Vapor Pressure @ 38°C	22.1	*	kPa	ASTM D5191	38.0	49.0
Distillation				ASTM D86		
IBP	41.9		°C			
Distillation 10 Vol% Rec	81.4	*	°C			75
Distillation 40 Vol% Rec	103.3		°C		75	
Distillation 50 Vol% Rec	106.3	*	°C			105
Distillation 90 Vol% Rec	119.2		°C			135
Distillation Final Boiling Point	141.8		°C			170
Distillation Recovery	97.8		Vol %		97	
Distillation Residue	1.0		Vol %			1.5
Distillation Loss	1.2		Vol %			1.5
Sum of 10% and 50%	187.7		°C		135	
Oxidation Stability (5h aging)						
Potential gum	1.6		mg/100mL	ASTM D873		6
Water Reaction Analysis				ASTM D1094		
Volume Change	0		mL			±2
Lead by XRF**	0.47		g/L	ASTM D5059	0.28	0.56
Motor Octane Number**	102.6			ASTM D2700	99.6	

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

**Note: Testing performed by an outside laboratory.

Report Prepared by,

[REDACTED]

Leah Bernhardt, Lab Supervisor

Reviewed and Approved by,

[REDACTED]

Dillon Bagley, Lab Supervisor