



Certificate of Analysis

Laboratory Number: 20260713-11

Certificate No: COA-SEED-11-7

FINAL

Demonstration Client

Sample ID	GEN-1-7	Sample Taken From	Brookfield Medical Center
Purchase Order	PO-2026-1011	Type of Fuel	Diesel
Work Order	WO-11-7	Sample Collection Date	2026-08-24
Package	LSD 103	Date Received	2026-08-25
Laboratory Number	20260713-11	Date Released	2026-09-01
		Component Make/Model	Cat 3512C
		Serial Number	SN4471
		Quantity in Tank	385 gal
		Tank Capacity	500 gal

How to read this table: each row is one test on your fuel — the method used, the limit that applies ("report" means measured without a pass/fail limit), your result, and its units.

Test Name	Method	Limit / Criteria	Result	Units
> 14 Micron	ASTM D7619	report	70	particles/ml
> 21 Micron	ASTM D7619	report	26	particles/ml
> 38 Micron	ASTM D7619	report	3	particles/ml
> 4 Micron	ASTM D7619	max 5000	2868	particles/ml
> 6 Micron	ASTM D7619	report	596	particles/ml
API Gravity	ASTM D287	report	33.8	°API
Cetane Index	ASTM D976	min 40	42.9	index
Copper Strip Corrosion	ASTM D130	report	1b	class
Flash point	ASTM D93	min 52	63.1	°C
ISO 4406 Rating	ISO 4406	report	19/16/13	
Microbial Growth	FOI Laboratories - Developed Method	report	Negative	
Sulfur	ASTM D5453	max 15	10.7	ppm
Visual Appearance	ASTM D4176	report	Clear, bright	
Water and Sediment	ASTM D2709	max 0.05	<0.005	% volume
Water by Karl Fischer	ASTM D6304	max 200	268	ppm H2O

Scope of testing: only the analyses requested were performed on this sample. Sampling was performed by the customer unless otherwise noted; results relate to the sample as received and to the properties tested. This report shall not be reproduced except in full without written approval of the laboratory. Results are reported to the precision of the test method; conformance is assessed against the specification limits using the measured value. Limits per ASTM D975.

Fuel quality testing per NFPA 110 (2010 ed. §8.3.8; current ed. §8.3.7): a fuel quality test shall be performed at least annually using applicable ASTM standards.

Comments:

Electronically signed by **A. Certifying Scientist** — Certifying Scientist
2026-09-01 · COA-SEED-11-7 · electronically issued through the client portal

Result within Method Criteria — Black Lettering | Result outside Method Criteria — Red Lettering

The signed PDF certificate is the authoritative record. Portal values and severity indicators are a convenience view and are not part of the certificate.