



TEST REPORT

Customer NuCarbon
1C Mountbatten Place, Winston Park, Gillitts
Durban
Kwa-Zulu-Natal 3610

Job Number 2026-KZN-12999
Report Number 2026-KZN-12999-KZN-24788-2026/04/02 13:39
Date of Report 2026/04/02
PO Number

Contact

SAMPLE INFORMATION

Sample Number KZN-24788
Product Bio Diesel
Site -
Source* B10
Specification/Intended Use Diesel Analysis (SANS 342:2025)

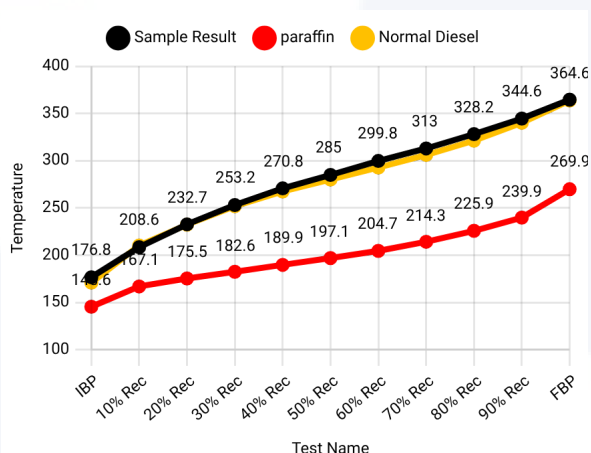
Date Received 2026-04-02
Condition Acceptable
Container/Volume 2 x Plastic Bottle 500mls
Sample Type Diesel
Date Tested 2026-04-02-2026-04-02

TEST RESULTS

Test Name	Test Method	Specification	Result	Units	Compliance
Appearance	ASTM D4176 **	Bright & Clear, No Free Water, No Suspended Particles or Sediment	Bright & Clear	-	Pass
Colour	Visual **	Yellow, Purple, Greenish Yellow, Yellowish Green	Yellow	-	Pass
Haze Test	ASTM D4176 **	Max 2	1	-	Pass
Density @ 20 degC	ASTM D4052 **	800.0 Min	818.8	Kg/m ³	Pass
Flashpoint	ASTM D93a **	55 Min	73.0	deg.C	Pass
Water Content	ASTM D6304 **	200 Max	107.5	mg/kg	Pass
Sulphur	ASTM D4294 **	50 Max	7.7	mg/kg	Pass
Viscosity @ 40 degC	ASTM D445 **	2.0-5.3	3.2	cSt	Pass
Distillation 90% Rec	ASTM D7345 **	362 Max	344.6	deg.C	Pass

Test Name	Test Method	Result
IP Marker	FD Method **	Negative

The marker test conducted in an internal marker screening test, not an official marker test. To do a further marker verification test please use the Diesel LFD test kit (Authentix). For final marker verification test, please use a SARS appointed laboratory. A positive result indicates the presence of marker and a negative result indicates the absence of marker.



Test Name	Result
Distillation Initial Boiling Point	176.8
Distillation 10% Rec	208.6
Distillation 20% Rec	232.7
Distillation 30% Rec	253.2
Distillation 40% Rec	270.8
Distillation 50% Rec	285.0
Distillation 60% Rec	299.8
Distillation 70% Rec	313.0
Distillation 80% Rec	328.2
Distillation 90% Rec	344.6
Distillation Final Boiling Point	364.6

Approved Signatory:

Scan or click [here](#) to verify

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- End of Report -