

Petroleumfix (Pty) Ltd - Distribution
421 Rustic Road
Silvertondale
Pretoria 0184
South Africa
(012) 880 1896



Customer Reference: 20% Paraffin
Date Tested: 2023-06-05
Sample Type: Diesel 50
Sample Name: LAB002249D
Tested By: Luhan Radyn

Sample Picture:



PARAMETER DESCRIPTION	TEST METHOD	SPECIFICATION: SANS 342:2016	VALUE	RESULTS
Density @ 40.0 °C (kg.m ⁻³)	ASTM D7777		812.4	Report
Density @ 20.0 °C (kg.m ⁻³)	ASTM D7777	Minimum of 800 kg.m ⁻³	824.1	PASS
Flashpoint (°C)	ASTM D6450	Minimum of 55 °C	60.5	PASS
Biodiesel Content	ASTM D7806	Maximum of 5 %	0.0	PASS
Cetane Number	ASTM D613	Minimum of 45	51.0	PASS
T90 (°C)	ASTM D86	Maximum of 362 °C	333	PASS
Cold Filter Plugging Point (°C)	ASTM D6371	Maximum of 3 °C in Summer and Maximum of -4 °C in Winter	-12.5	PASS
Viscosity @ 40.0 °C	ASTM D445	Between 2.0 and 5.3	2.7	PASS
Haze Rating	ASTM D4176	Maximum of 2	1	PASS
Appearance	Visual	Bright and Clear	Clear	PASS
Free Water	Visual	No Visible Free Water	Clear	PASS
Foreign Particles	Visual	No Visible Foreign Particles	Clear	PASS
Sulphur Content (ppm)	ISO 13032	Maximum of 50 ppm	66.9	FAIL
Water Content (ppm)	ASTM D6304	Maximum of 350 ppm	Not Requested	
Authentix IP Test Kit	LFD TEST	Negative	Positive	FAIL