

# 247 RACE FUELS

## 102 UNLEADED - TECHNICAL DATA SHEET

**PRODUCT** 24-7 RACE FUELS – 102.6 UNLEADED

### DESCRIPTION

Our 102 Unleaded has been developed for street use. Mildly oxygenated, unleaded fuel designed for high performance street cars, muscle cars, motorcycles. With a 102 octane rating, will allow increased boost levels in supercharged or turbocharged applications compared to lower octane “pump” fuel. 24/7 -102 Unleaded will not harm catalytic converters or oxygen sensors. 102 Unleaded contains a comprehensive additive package for greater engine protection and reduced fuel system deposits. It is compatible with two-stroke synthetic and mineral-based engine oils and can be classed as the lowest and cleanest emission performance unleaded fuel developed in SA and components approved by the EU REACH Legislation.

**REFERENCE NO.** 201702007ULP102/02

**DATE** 21/02/2017

**BATCH NO.** 2017022701/ULP102/6

### INSTRUCTIONS

DIRECT TO TANK

S. NO	Parameters	Unit	Typical Results	Testing Method
1	Appearance	--	Clear Greenish Blue Liquid	Visual
2	Colour	--	< 2 GREEN / BLUE	ASTM D1500
3	Specific Density @ 20°C	--	0.833	ASTM D1298
4	Total Purity by GLC	%	99.99	GLC In-House Method
5	Flash Point	°C	43	ASTM D93
6	Water Content	PPM	0.01	ASTM D6304
7	RON	cST	103	ASTM 2699
8	MON	--	102	ASTM 2700
9	R+M/2		102	
10	Oxygen Content	%m/m	3.6	ASTM D4815
11	Nitrogen	%m/m	0.3	ASTM D5453
12	Benzene	%m/m	7	ASTM D5443
13	RVP	Kpa	46.9	ASTM D5191
14	Lead Content	gPb/l	0.009	ASTM D3348
15	Induction Period	minutes	370	ASTM D525
16	Existing Gum	Mg/100ml	3	ASTM D381
17	Sulphur	%m/m	0.06	ASTM D5453
18	Copper Corrosion	rating	1	ASTM D130

S. NO	Parameters	Unit	Typical Results	Testing Method
19	Distillation 50%	Deg C	62	ASTM D86
20	Distillation 90%	Deg C	98	ASTM D86
21	Distillation FBP	Deg C	100	ASTM D86
22	Residue	%v/v	2	ASTM D86
23	Conductivity @ 20 deg C	pS/m	200	ASTM D2624

- All tests have been performed using the latest revision of the methods indicated unless specifically marked otherwise.
- This test report shall not be reproduced (except in full) without the written approval of the laboratory.
- This report is computer generated so signature and stamp not necessary.
- Air/Fuel Ratio, Turbo Pressure and Ignition Advance must be examined and re-tuned to reach optimum performance. Ignition and Injection mapping are strongly recommended. It is not recommended to mix our fuels with other additives or fuel blends / brands. To maintain the stated properties of the fuel, the fuel must be stored according to local legislation in a dark cool place. Containers / Drums must be sealed tightly.