MOTORSPORT 109 UNLEADED
TECHNICAL DATA SHEET

DESCRIPTION

Motorsport 109 Unleaded is a high-octane fuel developed for high revving engines that require oxygenated unleaded race fuel with reliable detonation protection. Will not harm oxygen sensors or catalytic converters and contains valve seat recession and additives for extra protection. An increase in fuel flow is required to utilize the full potential of this fuel due to its high oxygen content. Intended for racing use only.

Note: exposure to sun light (ultraviolet light) can degrade the octane of this fuel and must be avoided.

- Treated with Upper Lubricant
- Treated with Ethanol Shield Stabilizer

REFERENCE NO.

DATE

16-09-2024

BATCH NO.

16092024A

INSTRUCTIONS

(DIRECT-TO-TANK)

S No.	Parameters	Unit	Typical Results	Testing Method
1	Appearance	----	Clear Liquid	Visual
2	Colour	----	< 2 GREEN	ASTM D1500
3	Specific Density @ 20°C	----	0.765g/cm^3	ASTM D1298
4	Total Purity By GLC	%	99.99	GLC In-House Method
5	Flash Point	°C	41	ASTM D93
6	Water Content	PPM	0.01	ASTM D6304
7	RON	cST	102	ASTM 2699

8	MON	----	89	ASTM 2700
9	R+M/2	----	99.5	
10	Oxygen Content	%m/m	3.5	ASTM D4815
11	Nitrogen	%m/m	0.2	ASTM D5453
12	Benzene	%m/m	5	ASTM D5443
13	RVP	Kpa	7.0	ASTM D5443
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	0.05	ASTM D5453
18	Copper Corrosion	rating	1	ASTM D130
19	Distillation 50%			
20	Distillation 90%			
21	Distillation FBP			
22	Residue			
23	Conductivity @ 20°C			

DISCLAIMER

Performance

Formulated for specific applications to ensure optimum performance.

Consistency

All our products offer industry leading levels of consistency and repeatability.

Quality

We pride ourselves on offering the highest standard of quality in each of our products.