

RenewaBlaze

Environmentally friendly fuels for a
new generation of performance

Renewablaze range includes advanced sustainable racing fuels designed to reduce the greenhouse gas reduction of motorsport activities. Renewablaze benefits of the extensive researches and partnerships performed by Haltermann Carless to identify and source sustainable feedstock allowing strategic diversification from fossil to renewables.

Get the most of your engine performance & reliability: choose ETS Racing Fuels !

Renewablaze LPC4 R100

APPLICATIONS

- ⇒ Environmental friendly fuel designed to support sustainability and carbon emission reduction in the motorsport
- ⇒ FIA Advanced Sustainable Petrol certified
- ⇒ The fuel is manufactured through **100 % of renewable components**
- ⇒ Specifically designed for small size turbo engine with direct injection
- ⇒ Specific formulated to avoid oil dilution issues and grant high compatibility with fuel systems
- ⇒ Fuel claims above 65 % of CO2 reduction compared to fossil based fuel

RECOMMENDATION

- ⇒ Air/fuel ratio, ignition advance must be checked and tuned to reach optimum performance. We recommend correction of air fuel ratio & ignition mapping
- ⇒ Fuel is not manufactured on pure molecules, it is advised to check engine mapping from batch to batch.
- ⇒ In order to maintain the original properties, and according to Health and Safety regulations of commercial fuels, this gasoline shall be handled and stored in a cool place, well ventilated, away from any source of ignition or moisture and always maintained in tightly shut drums. Please also refer to your local regulations.

TDS version1

Haltermann Carless France S.A.S.

Zone d'Activités de la Baudrière n°1 · 27520 Bourgtheroulde · France

Phone: +33 2 32 13 14 50 · Fax: +33 2 32 13 14 51

www.etsracingfuels.com · www.MyETSstorage.com · motorsport@h-c-s-group.com

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SPECIFICATION

		FIA AS Petrol 9.3.2 (2024)			
Characteristics		Typical Results	Min	Max	Test Methods
RON		102	95	102	EN ISO 5164
MON		88,8	85	90	EN ISO 5163
Density @ 15°C	kg/m ³	748,8	720	785	EN ISO 12185
Fuel carbon content	% m/m		-	-	ASTM D 4629
Fuel hydrogen content	% m/m		-	-	EN ISO 20846
Fuel oxygen content	% m/m	7	-	7,5	ICP OES
Nitrogen content	mg/kg	<200	-	500	ICP OES
Sulphur content	mg/kg	3	-	10	EN ISO 22854
Lead content	mg/l	<2,5	-	5	EN ISO 22854
Manganese content	% v/v	<1	-	2	EN ISO 22854
Benzene content	% v/v	0,15	-	1	EN ISO 22854
Olefins content	% v/v	3	-	-	EN ISO 22854
Aromatics content	% v/v	20	-	40	GC MS
Methanol content	% v/v	<1	-	3	GC MS
Total di-olefins content	% m/m	<1	-	1	ASTM D. 525
Total styrene and alkyl	% m/m	<1	-	1	EN 13016-1
Oxidation Stability	minutes		360	-	
DVPE @37,8°C	kPa	49,2	-	80	ISO 3405
Distillation					ISO 3405
E70°C	% v/v	41	20	52	ISO 3405
E100°C	% v/v	73	40	80	ISO 3405
E120°C	% v/v	79	73	-	ISO 3405
E135°C	% v/v	82	77	-	ISO 3405
E150°C	% v/v	90	83	-	ISO 3405
Final Boiling Point	°C	185	-	210	-
Residue	% v/v	<1	-	2	-

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www.ETSRacingFuels.com

www.MyETStoRace.com

CONTACT US

Global Product Manager
Yann Labia
+33 6 80 45 73 36
ylabia@h-c-s-group.com

Europe 4 wheels – Sales
Christophe Malivert
+33 6 88 11 6195
cmalivert@h-c-s-group.com

Europe Bikes & Boat – Sales
Eduardo Ferrarini
+39 340 791 8353
eferrarini@h-c-s-group.com

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