

RenewaBlaze

Environmentally friendly fuels for the
next 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 Nihon R100

APPLICATIONS

- Environmental friendly fuel designed to support sustainability and carbon dioxide emission reduction in the motorsport
- Fuel is made of 100% bio fuels
- Highest C14 results on the market for a racing fuel with RON value of 100
- Oxygen content equivalent to 10% of ethanol, allowing an easy drop in solutions for injector & fuel tank compatibility
- Fuel matching FIA appendix J article 252 Advanced Sustainable Petrol specification

RECOMMENDATION

- Air/fuel ratio, ignition advance must be checked and tuned to reach optimum performance. We recommend correction of air fuel ratio & ignition mapping
- In order to maintain the original properties, and according to Health and Safety regulations of commercial fuels, this product shall be handled and stored in a cool place, well ventilated, away from source of ignition or moisture and always maintained in tightly shut packaging. Please also refer to your local regulations.

TDS version1

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SPECIFICATION

		FIA AS Petrol			
Characteristics		Typical Results	Min	Max	Test Methods
RON		100,5	95	102	EN ISO 5164
MON		88,1	85	90	EN ISO 5163
Density @ 15°C	kg/m ³	776,3	720	785	EN ISO 12185
Sustainable components	% v/v	100			
Advanced sustainable components	% v/v	> 80	70,0	-	
Carbon 14 analysis	% m/m	93,1	-	-	ASTM D6866
Carbon content	% m/m	83,3	-	-	ASTM D5291
Hydrogen content	% m/m	13,0	-	-	ASTM D5291
Oxygen content	% m/m	3,7	-	7,5	EN ISO 22854
Nitrogen content	mg/kg	<200	-	500	ASTM D 4629
Sulphur content	mg/kg	<5	-	10	EN ISO 20846
Lead content	mg/l	<2,5	-	5	ICP OES
Manganese content	mg/l	<1	-	2	ICP OES
Benzene content	% v/v	<0,5	-	1	EN ISO 22854
Olefins content	% v/v	<5	-	-	EN ISO 22854
Aromatics content	% v/v	40	-	40	EN ISO 22854
Ethanol content	% v/v	3,5	-	-	EN ISO 22854
Methanol content	% v/v	<0,2	-	3	EN ISO 22854
Total di- olefins content	% m/m	<1	-	1	GC MS
Total styrene and alkyl	% m/m	<1	-	1	GC MS
Oxidation Stability	minutes	>480	360	-	ASTM D 525
DVPE @37,8°C	kPa	48,9	-	80	EN 13016-1
Distillation					
Initial Boiling Point	°C	37			ISO 3405
10% evaporated	°C	55			ISO 3405
50% evaporated	°C	114			ISO 3405
90% evaporated	°C	176			ISO 3405
Final Boiling Point	°C	200	-	210	ISO 3405
E70°C	% v/v	25	20	52	ISO 3405
E100°C	% v/v	43	40	80	ISO 3405
E150°C	% v/v	63	-	-	ISO 3405
Residue	% v/v	<1	-	2	ISO 3405

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