

P1 RACING FUELS**SBX (P-RG-008-03)****TECHNICAL CHARACTERISTICS**

FIM SBK 2019 – ARTICLE 2.8

PROPERTY	UNITS	TYPICAL DATA	MIN	MAX	TEST METHOD
RON	-	102	95.0	102.0	EN ISO 5164
MON	-	89.4	85.0	90.0	EN ISO 5163
OXYGEN	% m/m	2.7	-	2.7	EN ISO 22854
NITROGEN	% m/m	0.0034	-	0.20	ASTM D4629
BENZENE	% V/V	<1.00	-	1.00	EN ISO 22854
VAPOUR PRESSURE (DVPE)	kPa	43.0	-	95.0	EN 13016-1
LEAD	mg/l	<5	-	5.0	ICP-OES
MANGANESE	mg/l	<2.0	-	2.0	ICP-OES
DENSITY (AT 15°C)	kg/m ³	750.3	720.0	775.0	EN ISO 12185
OXIDATION STABILITY	minutes	>360	360	-	EN ISO 7536
EXISTENT GUM	mg/100 ml	<1	-	5	EN ISO 6246
SULFUR	mg/kg	<1	-	10.0	EN ISO 20846
COPPER CORROSION	rating	1a	-	Class 1	EN ISO 2160
APPEARANCE	-	C&B	Clear and bright		Visual inspection
OLEFINS	% V/V	17.5	-	18.0	EN ISO 22854
AROMATICS	% V/V	25.9	-	35.0	EN ISO 22854
TOTAL DI-OLEFINS	% V/V	<1.0	-	1.0	GC-MS
METHANOL	% V/V	<0.3	-	3.0	EN ISO 22854
ETHANOL ⁽¹⁾	% V/V	<0.3	-	5.0	EN ISO 22854
ISOPROPANOL	% V/V	<0.3	-	12.0	EN ISO 22854
ISOBUTANOL	% V/V	<0.3	-	15.0	EN ISO 22854
TERT-BUTANOL	% V/V	<0.3	-	15.0	EN ISO 22854
ETHERS (C5 OR HIGHER)	% V/V	14.7	-	22.0	EN ISO 22854
OTHER OXYGENATES ⁽²⁾	% V/V	<0.3	-	15.0	EN ISO 22854
NET HEATING VALUE	MJ/l	31.4	-	-	ASTM D3338
A/F RATIO	kg Air/kg Fuel	14.13	-	-	calculation

To achieve optimum performance and utilize the unique features of this product it is recommended to optimize the Air/Fuel ratio and ignition advance. It is not recommended to mix this fuel with any other additives or other fuel blends. The fuel must be sorted according to local legislation and in a dark cool place to maintain its properties.

PLEASE READ THE SAFETY DATA SHEET (MSDS) FOR HEALTH AND SAFETY INSTRUCTIONS BEFORE USING.

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**DISTILLATION CHARACTERISTICS**

AT E70 °C	% V/V	23.2	20.0	52.0	
AT E100 °C	% V/V	64.0	46.0	72.0	
AT E150 °C	% V/V	>75.0	75.0	-	EN ISO 3405
FINAL BOILING POINT	°C	<210	-	210	
RESIDUE	% V/V	1.0	-	2.0	

- (1) Ethanol must be blended according to EN 15376.
(2) GC-MS methods may also be applied to fully deconvolute GC traces.

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