

Technical Datasheet

Part Description: SUSTAIN Racing C70

Part Code: 10003932

Date: 01/10/24

Test	Method	Unit	Limits		Typical Result
			Min	Max	
Appearance	Visual		Report		C&B
Bio-Content	Blending	% v/v	100.0	-	70
RON ^ˆ	EN ISO 5164		95.0	102.0	99.8
MON ^ˆ	EN ISO 5163		85.0	90.0	86.8
Density @ 15°C ^a	EN ISO 12185	kg/m³	720.0	775.0	767.1
DVPE @ 37.8°C ^ˆ	EN 13016-1	kPa	50.0	75.0	50
Sulfur ^a	EN ISO 20846	mg/kg	-	10.0	<1
Water ^ˆ	EN ISO 12937	% v/v	-	0.03	<0.03
PIONA					
n-Paraffins ^ˆ	ASTM D6730 mod	% v/v	Report		6.2
iso-Paraffins ^ˆ	ASTM D6730 mod	% v/v	Report		23.1
Olefins ^ˆ	ASTM D6730 mod	% v/v	Report		1.7
Naphthenes ^ˆ	ASTM D6730 mod	% v/v	Report		18.1
Aromatics ^ˆ	ASTM D6730 mod	% v/v	-	40.0	34.9
Unknowns ^ˆ	ASTM D6730 mod	% v/v	Report		1.2
Benzene ^ˆ	ASTM D6730 mod	% v/v	-	1.0	<0.1
Di-Olefins ^ˆ	ASTM D6730 mod	% m/m	-	1.0	<1.0
Sum of Hydrocarbons<5% ^ˆ	ASTM D6730 mod	% m/m	30.0	-	44.6
OXYGENATES					
Methanol ^ˆ	ASTM D6730 mod	% v/v	-	1.0	<0.1
Ethanol ^ˆ	ASTM D6730 mod	% v/v	-	10.0	<0.1
MTBE ^ˆ	ASTM D6730 mod	% v/v	Report		14.9
ETBE ^ˆ	ASTM D6730 mod	% v/v	Report		<0.1
Other ^ˆ	ASTM D6730 mod	% v/v	Report		<0.1
Copper Corrosion (3h at 50°C) ^ˆ	EN ISO 2160	Rating	-	Class 1	1A
Existent Gum - Washed ^ˆ	EN ISO 6246	mg/100mL	-	5.0	<1
Manganese ^ˆ	ASTM D3831	mg/L	-	2.0	<0.2
Lead ^ˆ	EN 237	mg/L	-	2.5	<2.5
Oxidation Stability ^ˆ	EN ISO 7536	min	360	-	>360
Carbon ^ˆ	ASTM D6730 mod	% m/m	Report		84.56
Hydrogen ^ˆ	ASTM D6730 mod	% m/m	Report		12.82
Oxygen ^ˆ	ASTM D6730 mod	% m/m	-	3.7	2.62
Nitrogen ^ˆ	ASTM D4629	mg/kg	-	500	<500
C/H Mole Ratio ^ˆ	Calculation		Report		0.55
C/O Mole Ratio ^ˆ	Calculation		Report		42.93
Air Fuel Ratio ^ˆ	Calculation		Report		14.02
Gross Calorific Value ^ˆ	ASTM D3338 mod	MJ/kg	Report		43.60
Net Calorific Value ^ˆ	ASTM D3338 mod	MJ/kg	Report		40.90
Distillation (Evaporated) ^a					
E70 ^a	EN ISO 3405	% v/v	24.0	50.0	34.9
E100 ^a	EN ISO 3405	% v/v	46.0	72.0	59.3
E120 ^a	EN ISO 3405	% v/v	-	-	70.5
E135 ^a	EN ISO 3405	% v/v	-	-	81.2
E150 ^a	EN ISO 3405	% v/v	-	-	87.7
E180 ^a	EN ISO 3405	% v/v	Report		98.5
10% Volume Evaporated ^a	EN ISO 3405	°C	Report		55.7
50% Volume Evaporated ^a	EN ISO 3405	°C	Report		84.5
90% Volume Evaporated ^a	EN ISO 3405	°C	Report		157.2
FBP ^a	EN ISO 3405	°C	-	210.0	181.5
Residue ^a	EN ISO 3405	% v/v	-	2.0	1.1

^a Test UKAS accredited [^] Test not UKAS accredited * Test performed by sub-contracted lab -Test is UKAS accredited at sub-contracted lab

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