



Abhitech Energycon s.r.o
Budovatelská 333
73552 Bohumin
Czech Republic

Your reference : Allenstein
Your order id. : Brief
Date of order : 08.09.2017
Sample receipt : 11.09.2017
Sender : Customer
Start of test period : 11.09.2017
End of test period : 20.09.2017
Report date : 22.09.2017
Page : 1 of 1

Report No.: 2506841-2

Sample : Standard B7 Diesel fuel + "Thermol-D plus" 1:2000
Appearance : Color yellowish, clear, no visible impurities and water
Container : glass bottle 2000 ml
ASG-ID : 2506841_002

Parameter	Method	Result	Result without Additive	Specification DIN EN 590:2014-04		Unit
				min.	max.	
Cetane number (DCN)	DIN EN 15195	54,5	53,8	51,0	-	-
Cetane Index	DIN EN ISO 4264	52,4	52,1	46,0	-	-
Density (15 °C)	DIN EN ISO 12185	835,6	835,6	820	845	kg/m ³
PAH content	DIN EN 12916	3,2	2,9	-	8,0	% [m/m]
Sulfur content	DIN EN ISO 20884	7,2	7,0	-	10	mg/kg
Flash point	DIN EN ISO 2719	64,5	65,0	>55	-	°C
Carbon residue (10 % Dist.)	DIN EN ISO 10370	<0,10	<0,10	-	0,30	% [m/m]
Ash content (775 °C)	DIN EN ISO 6245	<0,001	<0,001	-	0,01	% [m/m]
Water content	DIN EN ISO 12937	54	67	-	200	mg/kg
Total contamination	DIN EN 12662:2014	3	6	-	24	mg/kg
Copper strip corrosion	DIN EN ISO 2160	1	1	-	1	Corr.°
Fatty acid methylester content	DIN EN 14078	6,4	6,3	-	7,0	% [V/V]
Oxidation stability		1	4	-	25	g/m ³
filterable insolubles	DIN EN ISO 12205	1	1	-	-	g/m ³
adherent insolubles		<1	3	-	-	g/m ³
Oxidation stability	DIN EN 15751	>48	21,0	20	-	h
HFRR (Lubricity)	DIN EN ISO 12156-1	191	201	-	460	µm
Kin. viscosity (40 °C)	DIN EN ISO 3104	2,628	2,632	2,00	4,50	mm ² /s
% [V/V] recovery at 250 °C		37,9	39,4	-	<65	% [V/V]
% [V/V] recovery at 350 °C	DIN EN ISO 3405	93,6	93,5	85	-	% [V/V]
95 % [V/V] recovery		355,2	360,9	-	360	°C
CFPP	DIN EN 116	-6	-9	-	*	°C
Manganese [Mn]	DIN EN 16576	<0,5	<0,5	-	2,0	mg/l

Dr. Hendrik Stein (Assistant Laboratory Manager)

*requirements: 15.04. - 30.09. max. 0 °C
01.10. - 15.11. max. -10 °C
16.11. - 28.02. max. -20 °C
01.03. - 14.04. max. -10 °C

This report replaces report 2506841-1.
This report is related only to the samples stated above and may not be reproduced except in full, without approval of the testing laboratory. Storage of the samples: 4 weeks from report date.
For further information, please refer to our terms and conditions at www.asg-analytik.de. Accreditation acc. to DIN EN ISO / IEC 17025.

