

**Sample Label :** 1. Product : Indizel (Biofuel) Sample

Sr. No.	Tests	Method	Unit	Limits	
				IS 1460 : 2017 BS VI / EN 590 : 2017	Results
1.	Appearance	Visual	-	-	Clear & Bright and free from sediments, suspended matter and undissolved water at normal ambient fuel temperature
2.	Acidity Inorganic	ASTM D 974	mgKOH/gm	Nil	Nil
3.	Acidity Total	IS 1448 P:2 / ISO 6618		0.2 (max)	0.04
4.	Ash Content	IS 1448 P:4 / EN ISO 6245	% m/m	0.01 (max)	0.001
5.	Carbon Residue (on 10% distillation residue)	IS 1448 P:8 / EN ISO 10370	% m/m	0.3 (max)	0.02
6.	Cetane Number	IS 1448 P:9 / EN ISO 5165	-	51 (Min)	63.6
7.	Cetane Index	ASTM D 4737 / EN ISO 4264	-	46 (Min)	66.7
8.	Pour Point	IS 1448 P:10 / ISO 3016	°C	Winter 3 (max) Summer 15 (max)	-15
9.	Copper Strip Corrosion (3h @ 50°C)	IS 1448 P:15 / EN ISO 2160	-	Not Worse than 1	Not Worse than 1
10.	Distillation 95% Recovery	IS 1448 P:18 / EN ISO 3405	°C	360 (max)	341.0
11.	Flash Point	IS 1448 P:20 / EN ISO 2719	°C	35 (Min)	68.0
12.	Kinematic Viscosity @40°C	IS 1448 P:25 / EN ISO 3104	cSt	2.0 to 4.5	2.870
13.	Density @15°C	IS 1448 P:16 / EN ISO 3675	kg/m <sup>3</sup>	810 to 845	814.2
14.	Total Sulphur	IS 1448 P:153 / EN ISO 20846	mg/kg	10 (max)	8.2

Note : The results reported relate to the sample tested only. The Test Certificate shall not be reproduced in full or part without the written permission of INTERTEK. The sample(s) has been not drawn/sampled by INTERTEK LAB. The reported result(s) provide no warranty or verification on the sample(s) representing any specific goods and / or shipment and only relate to the sample(s) as received and tested. This report was prepared solely for the use of the client named in this report. Intertek disclaims any and all liability for damage or injury which results in the use of the information contained herein and accepts no responsibility for any loss, damage or liability suffered by a third party as a result of any reliance upon or use of this report. All jobs are performed as per Intertek terms & Conditions available at <http://www.intertek.com/terms/> or can be made available on request

I IPL/17025/QF/5.10/01

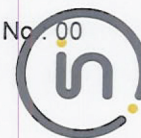
Issue No.: 01

Revision No. 00

Registered Office

Intertek India Pvt. Ltd. E-20, Block- B1, Mohan Co-operative Industrial Area, Mathura Road, New Delhi - 110044, India

CIN No.: U74220DL1997PTC202243

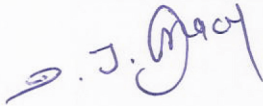




Sr. No.	Tests	Method	Unit	Limits	Results
				IS 1460 : 2017 BS VI / EN 590 : 2017	
15.	Water Content	ASTM D 6304 / EN ISO 12937	mg/kg	200 (max)	180
16.	Cold Filter Plugging Point	IS 1448 P:110 / EN 116	°C	Winter 6 (max) Summer 18 (max)	-13
17.	Polycyclic Aromatic Hydrocarbons	IS 1448 P:391 / EN 12916	% m/m	8 (max)	1.8
18.	Lubricity	IS 1448 P:149 / EN ISO 12156-1	microns	460 (max)	194

Note : Lubricity, PAH & Sulphur tests are carried out at Intertek Jamnagar Lab. Cetane Number carried out at third party Lab.

Authorized Signatory



Dattatray Ghadi  
Laboratory Manager



Note : The results reported relate to the sample tested only. The Test Certificate shall not be reproduced in full or part without the written permission of INTERTEK. The sample(s) has been not drawn/sampled by INTERTEK LAB. The reported result(s) provide no warranty or verification on the sample(s) representing any specific goods and / or shipment and only relate to the sample(s) as received and tested. This report was prepared solely for the use of the client named in this report. Intertek disclaims any and all liability for damage or injury which results in the use of the information contained herein and accepts no responsibility for any loss, damage or liability suffered by a third party as a result of any reliance upon or use of this report. All jobs are performed as per Intertek terms & Conditions available at <http://www.intertek.com/terms/> or can be made available on request

I IPL/17025/QF/5.10/01

Issue No.: 01

Revision No.: 00

