



**ATLAS LAB**

Setting the standard

# BIODIESEL TESTING BROCHURE

[www.atlaslab.in](http://www.atlaslab.in)



# Biodiesel Analysis

Biodiesel is an alternative for diesel which is obtained from a diverse range of feedstock namely from plants, animal fats, soybean oil, other edible and non-edible oils, used cooking oils, tallow to produce long chain fatty acid esters like methyl, ethyl or propyl esters

Atlas Lab tests Biodiesel for consumers, manufacturers, blenders, new biodiesel petrol pump owners and helps them by conducting the testing and analysis of their Biodiesel and Biofuel samples for **evaluation of their quality, quality confirmation, blending evaluation, ensuring the right blend vis a vis blend supplied, to ensure there is no contamination** in the Biodiesel, no residues left in the Biodiesel and confirm and validate if the Biodiesel meets the **technical and environmental requirements of national and international standards**.

## Different types of Biofuels tested by Atlas Lab :

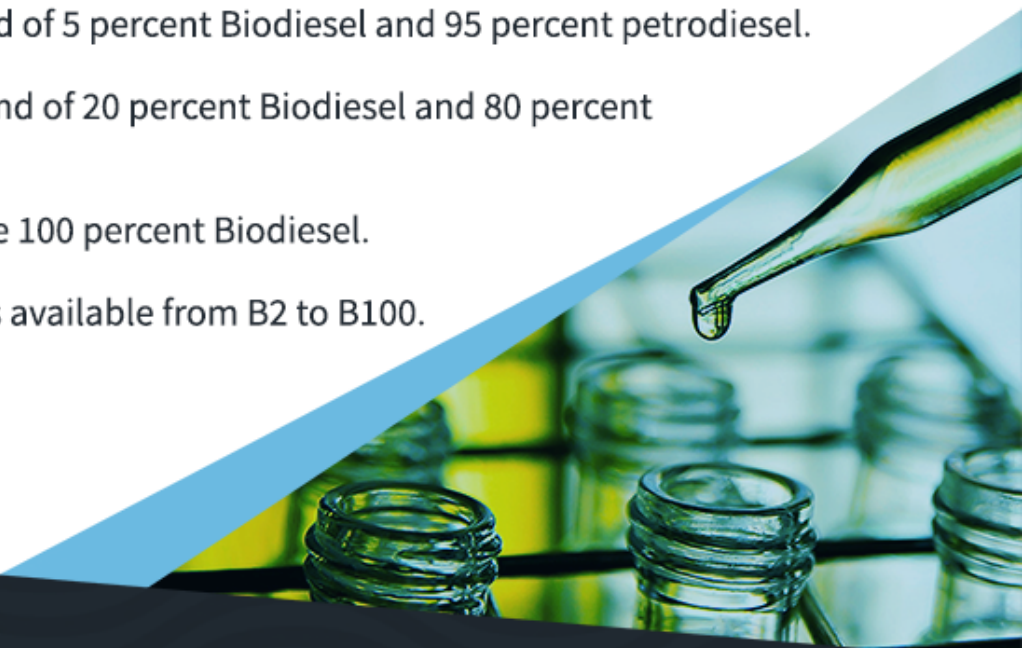
- Biodiesel
- Ethanol
- Biobutanol

## Types of Biodiesel tested by Atlas Lab :

Most commonly and commercially available blends of Biodiesel are of three types :

- **B5 Biodiesel** – which is a blend of 5 percent Biodiesel and 95 percent petrodiesel.
- **B20 Biodiesel** – which is a blend of 20 percent Biodiesel and 80 percent petrodiesel.
- **B100 Biodiesel** – which is pure 100 percent Biodiesel.

However there are many blends available from B2 to B100.



## Standard Tests conducted by Atlas Lab :

Atlas Lab tests Biodiesel as per **IS, EN, ASTM** and other International Standards.

- Appearance
- Flash Point (PMCC)
- Density at 15° C
- Colour
- Sediments & Water Content
- Kinematic Viscosity at 40° C
- Pour Point
- Copper Strip Corrosion (3hr @ 50° C)
- Total Sulphur
- Acid Number
- Strong Acid Number
- Ash
- Carbon Residue on 10% Residue
- Cetane Index
- Distillation, Recovery at 350° C
- Distillation, Recovery at 370° C
- Glycerine
- Cloud Point
- Calorific Value
- Cold Filter Plugging Point
- Insolubles
- Iodine Value
- Flash Point – Abel
- Flash Point – Pensky Martens
- Asphaltenes
- API - Gravity
- Viscosity Index
- Water & Sediments (BS&W)
- And other tests

## Getting your Biodiesel tested with Atlas Lab :

- You can directly send your Biodiesel fuels to us or ask for our **Biodiesel Fuel Sampling Kits**.
- Collect the samples.
- Courier the samples.
- On receiving the samples in our laboratory, we will commence testing. **Results will be provided in 12 to 24 hours**
- **Technical advice** will be provided on testing the samples and assessment of Test Report.





# About Atlas Lab

Atlas Lab is a industry leading Testing, Inspection and Certification Company duly accredited by NABL and Certified by ISO 17025. We believe in putting the customer first by constantly innovating and evolving to provide reliable and consistent solutions. We are a team of dynamic, passionate professionals with strong technical expertise in the realm of Lubricating Oils and Petroleum products serving industries of all sizes on a global scale.

## We are approved and accredited by



ISO / IEC 17025 : 2017

ISO 9001 : 2015  
BUREAU VERITAS  
Certification



Certificate No. IND.20.6148/QM/U



TC - 6087



AGMARK  
approved  
Laboratory



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