

Biodiesel Analysis Monitoring



Biodiesel is a renewable alternate fuel for diesel engines. Biodiesel can be used either in the pure form or as blended diesel fuel. These blends help to reduce exhaust pollutants. Biodiesel which is also known as Green Fuel, helps to improve quality of the environment.

The fuel characteristics of biodiesel are recognized by the amounts of fatty acid used to produce the esters in the feedstock.

There are two types of Biodiesel:
Bioethanol and Fatty Acid Methyl Ester (FAME).

TUV India (TÜV NORD GROUP) provides a variety of parameters for Biodiesel testing as per IS 15607:2016:

Materials for which RoHS is applicable:

- Density at 15 °C: ISO 3675/ISO 12185 / ASTM D4052
- Kinematic Viscosity at 40 °C: ISO 3104
- Flash Point (PMCC): ISO 2719
- Sulphur: ASTM D5453/ ISO 20846/ ISO 20884/ ASTM 4294
- Carbon Residue (Ramsbottom): ASTM D4530/ ISO10370
- Sulphated Ash: ISO3987
- Water Content: ISO 3733/ ISO 6296/ ISO 12937
- Total Contamination: EN 12662
- Copper Corrosion: ISO 2160
- Cetane Number: ISO 5165

- Acid Value: ASTM D974
- Methanol: EN14110
- Ester Content: EN14103
- Monoglyceride Content: ASTM D6584
- Diglyceride Content: ASTM D6584
- Triglyceride Content: ASTM D6584
- Free glycerol: ASTM D6584
- Total Glycerol: ASTM D6584
- Phosphorus: ASTM D4951
- Sodium + Potassium: EN14108
- Calcium + Magnesium: EN14538
- Iodine Value: EN14111
- Oxidation Stability: EN14112
- CFPP : ASTM D6371
 - Summer
 - Winter
- Polyunsaturated Methyl Ester Content: EN 15779

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- Petroleum, Chemical and Gas Testing
- Training Academy

TUV India Private Limited

Petroleum, Chemical and Gas Inspection and Testing Services

Jamnagar Laboratory

M.P. Shah Udyog Nagar, Plot No. A-12/2/2 & 3, Near Rollwel Shutter, Saru Section Road, Jamnagar - 361002, Gujarat
T +91-22-67824171 T + 91-22-67824168

Registered & Head Office

801, Raheja Plaza-I, LBS Marg, Ghatkopar (W), Mumbai - 400086
T +91 22 664 77000, T 1800 209 0902
E infoindia@tuv-nord.com
W www.tuv-nord.com/in

Testing Laboratory Presence at Other Locations

- Hazira
- Gandhidham
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