



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

PROTON POWER INC  
164 Locomotive Drive  
Lenoir City, TN 37771  
Dr. Samuel Weaver Phone: 865 376 9002

CHEMICAL

Valid To: December 31, 2022

Certificate Number: 4118.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on gas, fuel, coal, coke, and biomass:

TEST	TEST METHOD(S)
<b>Fuel Analysis</b>	
Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter	ASTM D240
Distillation of Petroleum Products and Liquid Fuels at Atmospheric Pressure	ASTM D86
Determination of Total Sulfur in Light Hydrocarbons, Spark Ignition Engine Fuel, Diesel Engine Fuel, and Engine Oil by Ultraviolet Fluorescence	ASTM D5453
Ash from Petroleum Products	ASTM D482
ASTM Color of Petroleum Products (ASTM Color Scale)	ASTM D1500
Cloud Point of Petroleum Products and Liquid Fuels	ASTM D2500
Pour Point of Petroleum Products	ASTM D97
Corrosiveness to Copper from Petroleum Products by Copper Strip Test.	ASTM D130
Ramsbottom Carbon Residue of Petroleum Products	ASTM D524
Flash Point by Pensky-Martens Closed Cup Flash Tester	ASTM D93
<b>Biomass / Biochar / Coke / Coal Analysis</b>	
Gross Calorific Value of Coal and Coke	ASTM D5865



# Accredited Laboratory

A2LA has accredited

**PROTON POWER INC**

*Lenoir City, TN*

for technical competence in the field of

**Chemical Testing**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 31<sup>st</sup> day of March 2021.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 4118.01  
Valid to December 31, 2022

*For the tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.*