



# CERTIFICATE OF AUTHORIZATION

The named company is authorized by The American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the ASME Single Certification Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with the ASME Single Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

**Macawber Engineering Inc.**  
1829 Clydesdale Street  
Maryville, Tennessee 37801  
United States

SCOPE:

**Manufacture of pressure vessels at the above location and field sites controlled by the above location (This authorization does not cover impregnated graphite)**

AUTHORIZED: February 8, 2021

EXPIRES: February 8, 2024

CERTIFICATE NUMBER: 14991

Handwritten signature of David E. Tuttle in black ink.

Board Chair, Conformity Assessment

Handwritten signature of Paul Bang in black ink.

Managing Director, Conformity Assessment





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COMPANY:

**Macawber Engineering Inc.  
1829 Clydesdale Street  
Maryville, Tennessee 37801  
United States**

SCOPE:

**Manufacture of miniature pressure vessels at the above location and field sites controlled by the above location**

AUTHORIZED: **February 8, 2021**

EXPIRES: **February 8, 2022**

CERTIFICATE NUMBER: **15609**

A handwritten signature in black ink, appearing to read 'David E. Tuttle'.

Board Chair, Conformity Assessment

A handwritten signature in black ink, appearing to read 'Paul Bang'.

Managing Director, Conformity Assessment

