



## SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

CPACHEM LTD.  
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### CHEMICAL

Valid To: May 31, 2026

Certificate Number: 7668.02

In recognition of the successful completion of the A2LA evaluation process that includes the management system requirements of ISO/IEC 17025:2017, accreditation is granted to this laboratory to perform the following tests on analytical reference materials in solution, high purity organic substances, wine and alcohol, petroleum products as they relate to reference materials:

| Analyte(s)                           | Test Method   | Test/Technology                   |
|--------------------------------------|---|-----------------------------------|
| Metals                               | In-house method<br>WQP 5.15.1.1<br>WQP 5.15.1/40  | ICP OES<br>ICP MS                 |
| Anions/Cations                       | In-house method<br>WQP 5.15.1.8   | Ion Chromatography                |
| pH                                   | In-house method<br>WQP 5.15.1.5<br>WQP 5.15.1.23  | pH Meter<br>Harned Cell           |
| Conductivity                         | In-house method<br>WQP 5.15.1.4   | Conductivity Meter                |
| Volumetric Solutions                 | In-house method<br>WQP 5.15.1.11<br>WQP 5.15.1.12<br>WQP 5.15.1.13<br>WQP 5.15.1.14<br>WQP 5.15.1.15<br>WQP 5.15.1.16<br>WQP 5.15.1.17<br>WQP 5.15.1.18 | Titremetry                        |
| Water Content                        | In-house method<br>WQP 5.15.1.26  | Karl Fischer Coulometric Titrator |
| Total Organic Carbon                 | In-house method<br>WQP 5.15.1.30  | TOC Analyzer                      |
| Potassium dichromate                 | In-house method<br>WQP 5.15.1.31  | UV/VIS                            |
| Organic Compounds                    | In-house method<br>WQP 5.15.1.2<br>WQP 5.15.1.19<br>WQP 5.15.1.20<br>WQP 5.15.1.21  | GC/MS<br>HPLC/HPLC-MS             |
| Density and Relative Density at 20°C | In-house method<br>WQP 5.15.1.9 (4.1)   | Pycnometer                        |

| Analyte(s)                        | Test Method                                       | Test/Technology                            |
|-----------------------------------|---|--|
| Alcohol content % (w/V)           | In-house method<br>WQP 5.15.1.9 (4.2)             | Pycnometer                                 |
| Reducing sugars                   | In-house method<br>WQP 5.15.1.9 (4.3)             | Titrimetry                                 |
| Total acidity                     | In-house method<br>WQP 5.15.1.9 (4.4)             | Titrimetry                                 |
| Volatile acidity                  | In-house method<br>WQP 5.15.1.9 (4.5)             | Titrimetry                                 |
| Sulfur Dioxide                    | In-house method<br>WQP 5.15.1.9 (4.6)             | Titrimetry                                 |
| Total dry extract                 | In-house method<br>WQP 5.15.1.9 (4.11)            | Calculation                                |
| Turbidity                         | In-house method<br>WQP 5.15.1.29                  | Turbidimeter                               |
| Chemical Oxygen Demand            | In-house method<br>WQP 5.15.1.32<br>WQP 5.15.1.33 | Digestion Titrimetry<br>Digestion UV/VIS   |
| Color                             | In-house method<br>WQP 5.15.1.34                  | ICP and UV/VIS                             |
| Osmolality                        | In-house method<br>WQP 5.15.1.35                  | Osmometer                                  |
| Density                           | In-house method<br>WQP 5.15.1.36                  | Density meter                              |
| Cold Filter Plugging Point (CFPP) | In-house method<br>WQP 5.15.1.37                  | Cold Filter Plugging Point (CFPP) analyzer |
| Pour Point                        | In-house method<br>WQP 5.15.1.37                  | Pour Point analyzer                        |
| Viscosity                         | In-house method<br>WQP 5.15.1.37                  | Viscometer                                 |
| Flash Point                       | In-house method<br>WQP 5.15.1.37                  | Flash point analyzer                       |
| Distillation                      | In-house method<br>WQP 5.15.1.37                  | Automatic distiller                        |
| Cloud Point                       | In-house method<br>WQP 5.15.1.37                  | Cloud Point analyzer                       |
| Total Acid Number                 | In-house method<br>WQP 5.15.1.38                  | Titrimetry                                 |
| Total Base Number                 | In-house method<br>WQP 5.15.1.39                  | Titrimetry                                 |



# Accredited Laboratory

A2LA has accredited

**CPACHEM LTD**

*Bogomilovo, BULGARIA*

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 laboratory also meets the requirements of any additional program requirements in the Chemical field. 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 18<sup>th</sup> day of December 2025.

A blue ink signature of the name "Mr. Trace McInturff" is written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 7668.02  
Valid to May 31, 2026

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