

Alcohol Countermeasure Systems Corp 60 International Boulevard Toronto, Ontario M9W 6J2 CANADA acs-corp.com

CERTIFICATE OF ANALYSIS

Alcohol Countermeasure Systems Alcohol Reference Solution Lot No: 201408B

Expiry Date: August 12, 2016

This solution was analyzed using the direct injection gas-chromatographic procedure coupled with the internal standard technique commensurate with forensic alcohol methodology.

A screening (pre-mix) analysis of the distilled water used in the preparation of this solution indicated that there were no volatile impurities present.

The target analytical concentration was 0.242– 0.248 gram/dL (wt/vol) ethyl alcohol in aqueous solution with an equivalent vapour alcohol concentration of 0.200 – 0.205 g/210L when used in a breath alcohol simulator heated to 34 ± 0.2 °C.

The solution was found to have an analytical concentration of 0.244 gram/dL (wt/vol) ethyl alcohol in aqueous solution with an equivalent vapour alcohol concentration of 0.202 g/210L when used in a breath alcohol simulator heated to 34 ± 0.2 °C.

The solution is manufactured from distilled/de-ionized water and absolute ethyl alcohol (USP Grade). This lot contains 1,644 bottles (of 500 mL each) of Alcohol Reference Solution.

Date of Analysis: August 12, 2014

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