



**PHARMCO**  
by Greenfield Global

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**CERTIFICATE OF ANALYSIS**  
**ACETONITRILE**  
**HPLC Grade**

Lot # C20F30CAS0000ACN  
Date of Manufacture: July 24, 2020  
Recommended Retest Date: Five Years from Date of Manufacture  
Main Catalog #: 30000HPLC

| TEST                                                           | SPECIFICATIONS   | RESULTS       |
|----------------------------------------------------------------|------------------|---------------|
| Description<br>Clear colorless liquid free of suspended matter | Passes Test      | Passes        |
| Assay (by GC-FID)<br>(Corrected for Water)                     | Min 99.9 %       | 99.99 %       |
| Color                                                          | Max 10 APHA      | < 5 APHA      |
| LC gradient elution suitability at<br>254 nm                   | Max 0.005 AU     | 0.0003 AU     |
| Residue after Evaporation                                      | Max 3 ppm        | 0.4 ppm       |
| Titration Acid                                                 | Max 0.008 meq/g  | 0.0003 meq/g  |
| Titration Base                                                 | Max 0.0006 meq/g | 0.00001 meq/g |
| Water<br>(by KF coulometry)                                    | Max 0.02 %       | 0.006 %       |
| Optical Absorbance at                                          |                  |               |
| 190 nm                                                         | Max 1.00 AU      | 0.77 AU       |
| 200 nm                                                         | Max 0.10 AU      | 0.03 AU       |
| 210 nm                                                         | Max 0.05 AU      | 0.02 AU       |
| 220 nm                                                         | Max 0.03 AU      | 0.01 AU       |
| 230 nm                                                         | Max 0.02 AU      | 0.003 AU      |
| 254 nm                                                         | Max 0.01 AU      | < 0.001 AU    |
| 280 nm                                                         | Max 0.01 AU      | 0.001 AU      |

Approved

*Amanda Fenstermacher*

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Quality Assurance Clerk

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FN-135  
06/14/2018

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|--------|----------------|------------|
| 350 nm | Max 0.01 AU    | < 0.001 AU |
| 400 nm | Max 0.01 AU    | < 0.001 AU |

Form: Acetonitrile, HPLC, rev.1.2, 05/18, KAD

This product is for further commercial manufacturing, laboratory or research use, and may be used as an excipient or a process solvent for pharmaceutical purposes. It is not intended for use as an active ingredient in drug manufacturing nor as a medical device or disinfectant. Appropriate/legal use of this product is the responsibility of the user.

Approved



Amanda Fenstermacher  
Quality Assurance Clerk

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