



**AVAZYME**  
Agriculture and Food Testing Solutions  
**CERTIFICATE OF ANALYSIS**  
CS1121\_212159-001\_RS

**Residual Solvents**

**Client Sample ID:** Sample 1  
**Sample Description:** Apotheca D8  
**Receive sample:** 15-Mar-21  
**Initiate analyses:** 29-Mar-21

**Apotheca**  
2601B Battleground Ave.  
Greensboro, NC 27408

|                                   |                                                                                                              |                                       |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------|
| <b>Analyst:</b><br>Daren Stephens | <b>Analyst Signature:</b>   | <b>Analyst Date:</b><br>Mar 31, 2021  |
| <b>Reviewed by:</b><br>Tia Young  | <b>Reviewer Signature:</b>  | <b>Reviewer Date:</b><br>Mar 31, 2021 |

**Test Type:** Residual Solvents  
**Technical Procedure:** TP A0040  
**Results:**



| Chemical Analyzed  | Concentration (ppm) | Low Quantitation Limit (ppm) |
|--------------------|---------------------|------------------------------|
| Propane            | <5.00               | 5.00                         |
| n-Butane           | ND                  | 2.50                         |
| Isobutane          | ND                  | 2.50                         |
| Neopentane         | ND                  | 1.67                         |
| Methanol           | 12.6                | 20.0                         |
| Ethylene oxide     | ND                  | 5.00                         |
| 2-Methylbutane     | ND                  | 1.67                         |
| n-Pentane          | <1.67               | 1.67                         |
| Ethanol            | <5.00               | 5.00                         |
| Diethyl ether      | ND                  | 5.00                         |
| Acetone            | <5.00               | 5.00                         |
| 1,1-Dichloroethene | ND                  | 5.00                         |
| Isopropanol        | ND                  | 5.00                         |
| 2,2-Dimethylbutane | ND                  | 1.00                         |
| 2,3-Dimethylbutane | ND                  | 1.00                         |
| Methylene chloride | ND                  | 5.00                         |
| 2-Methylpentane    | ND                  | 1.00                         |
| Acetonitrile       | ND                  | 20.0                         |
| 3-Methylpentane    | ND                  | 1.00                         |
| n-Hexane           | <1.00               | 1.00                         |
| Ethyl acetate      | ND                  | 5.00                         |
| Tetrahydrofuran    | ND                  | 5.00                         |
| Chloroform         | ND                  | 0.50                         |
| Cyclohexane        | ND                  | 5.00                         |
| Benzene            | ND                  | 0.05                         |
| 1,2-Dichloroethane | ND                  | 5.00                         |
| Isopropyl acetate  | ND                  | 5.00                         |
| n-Heptane          | ND                  | 5.00                         |
| Trichloroethene    | ND                  | 5.00                         |
| 1,4-Dioxane        | ND                  | 5.00                         |
| Toluene            | ND                  | 5.00                         |
| Ethylbenzene       | ND                  | 1.25                         |
| m-Xylene/p-Xylene  | ND                  | 2.50                         |
| o-Xylene           | ND                  | 1.25                         |
| Cumene             | ND                  | 5.00                         |

ND: Not Detected

Present: matched to NIST database, not confirmed by reference standard  
Confirmed: present and identified by comparison to reference standard



Concentrations were determined by GC-MS with an Avazyme method utilizing certified reference standards for each chemical analyzed.  
Avazyme warrants that this study was performed in accordance with appropriate laboratory research practices and protocols.  
Avazyme is not responsible for Sponsor's use of the information or concepts generated as part of the study, and will not be liable for any loss or damage resulting from such use.

Avazyme, Inc. is ISO/IEC 17025:2017 accredited by PJLA (accreditation #101161) for Microbiological and Chemical Testing.