

### Certificate of Analysis

**Product: Ethanol 190 Proof (95%) Certified Organic/Vegan Sugar Cane Alcohol**  
**Item Number: EAOS190**  
**Grade: FCC**  
**Lot Number: 5000183/1.1**  
**Manufacture Date: 07/19/2023**  
**Expiration Date: 07/18/2025**  
**Country of Origin: Brazil**

| Tested Property                             | Specification    | Analysis  |
|---|------------------|-----------|
| Alcoholic Content 20° C, INPM (%p/p)        | 94.00 - 95.20    | 94.30     |
| Alcoholic Content 20° C, °GL (%v/v)         | 96.10 - 97.00    | 96.30     |
| Specific Gravity 20°C, g/cm <sup>3</sup>    | 0.8037 - 0.8071  | 0.8062    |
| Specific Gravity 15.56°C, g/cm <sup>3</sup> | 0.8075 - 0.8109  | 0.8100    |
| Acidity, mg/L                               | 3 - 12           | 4.6       |
| pH  | 6.0 - 8.0        | 8.0       |
| Barbet, Minutes                             | Min. 35          | 40        |
| Evaporation Residue, mg/100ml               | Max. 2.5         | 1.0       |
| Appearance                                  | Clear, Flammable | Clear, IN |
| Odor  | Pass             | Pass      |
| Acetadehyde, mg/L                           | Max. 10.0        | <10       |
| Acetone, mg/L                               | Max. 10.0        | <10       |
| Ethyl Acetate, mg/L                         | Max. 10.0        | <10       |
| Acetal, mg/L                                | Max. 10.0        | <10       |
| N-Propanol, mg/L                            | Max. 10.0        | <10       |
| Isobutanol, mg/L                            | Max. 10.0        | <10       |
| N-Butanol, mg/L                             | Max. 10.0        | <10       |
| Isoamyl, mg/L                               | Max. 10.0        | <10       |
| Methanol, mg/L                              | Max. 10.0        | <10       |
| Benzene, mg/L                               | Max. 2.0         | <2        |

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