



## CERTIFICATE OF ANALYSIS

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### 1. Identification

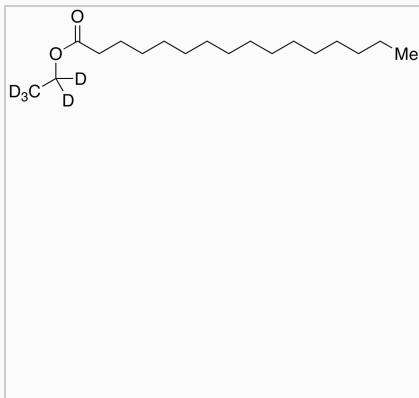
**Catalogue Number:** E925482

**CAS Number:** 1215397-47-9

**Product:** Ethyl Palmitate-d5

**Synonym:** Hexadecanoic Acid Ethyl Ester-d5; Palmitic Acid Ethyl Ester-d5; Ethyl Hexadecanoate-d5; NSC 8918-d5;

**Structure:**



**Molecular Formula:**

C<sub>18</sub>H<sub>31</sub>D<sub>5</sub>O<sub>2</sub>

**Molecular weight:**

289.51

**Source of Product:**

Synthetic

**Solubility:**

Chloroform (Slightly), Ethyl Acetate (Slightly), Methanol (Slightly)

**Lot Number:** 3-JGC-36-1

**Purity:** 98%

**Shipping Condition:** This Product Is Stable To Be Shipped At Room Temperature

**Storage Condition:** 4°C

### 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Colourless to Off-White Oil to Low-Melting Solid	Clear Colourless Oil
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	>99.9%
Elemental Analysis	Conforms	%C: 74.78, %H: 12.51
GC	>95%	99.26%

**Additional Information:**

Elemental Analysis: (Theoretical) %C: 74.68, %H: 12.54  
Normalized Intensity: d0 = 0.00%, d1 = 0.04%, d2 = 0.01%, d3 = 0.00%, d4 = 0.00%, d5 = 99.94%

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

### 4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Hanxiang Li	Toni Rantanen	My Nguyen	10/23/2020	10/21/2030

Hanxiang Li

Toni Rantanen

My Nguyen

