

680287 **Lot: 798647**
D15-Fosetyl-aluminium1. General Information

Formula	C ₆ H ₃ AlD ₁₅ O ₉ P ₃	Expiry Date	01 Nov 2022
Mol. Weight	369.20g/mol	Store at	4°C (in the dark)
CAS-No.			

2. Batch Analysis

Identity	confirmed		
Overall Purity	94.50 % (g/g)	Expanded Uncertainty	% (g/g)
Assay Purity (HPLC)	94.50 % (g/g)	Uncertainty	2.50 % (g/g)

Isotopic purity (D5-Ethyl, P-D): 15.8%, D5-Ethyl: 82.0%,
D4-Ethyl: 2.2%, D3- to D0-Ethyl: 0.0%

Contains 0.7% Phosphonic Acid

Certified on 22 Oct 2020



by Heike Uhlig
RM Release

The overall purity is calculated by: $\text{Purity(\%)} = \frac{\text{Assay purity} \times (100 - \text{water content} - \text{impurities})}{100}$

The reported uncertainties are determined in accordance with ISO 17034 with a 95% confidence level ($k=2$). The Uncertainty is based on the combined uncertainties, including uncertainties of characterization and stability testing. The expiry date is based on the current knowledge and holds only for proper storage conditions in the originally closed flask. If the substance is proven to be unstable under the given storage conditions, you will be contacted immediately. The warranty of this product is limited to the purchasing price of this product and to the first point of use.

Our standards are for laboratory use only and can be used as reference material for calibration of chromatographic systems or related analytical techniques. For handling instructions see the MSDS. A minimum sample of 2 mg is recommended. Deploying less material will increase the uncertainty. The material in the vial can be used multiple times, but it is strongly recommended, that all external negative influences to the material are considered and ruled out (e.g. high temperatures, UV-radiation, moisture, oxygen). It is strongly recommended to open the vial at room temperature only and handle the material under inert gas if necessary. The integrity of the purity cannot be guaranteed, if the substance is handled under unfavorable conditions.

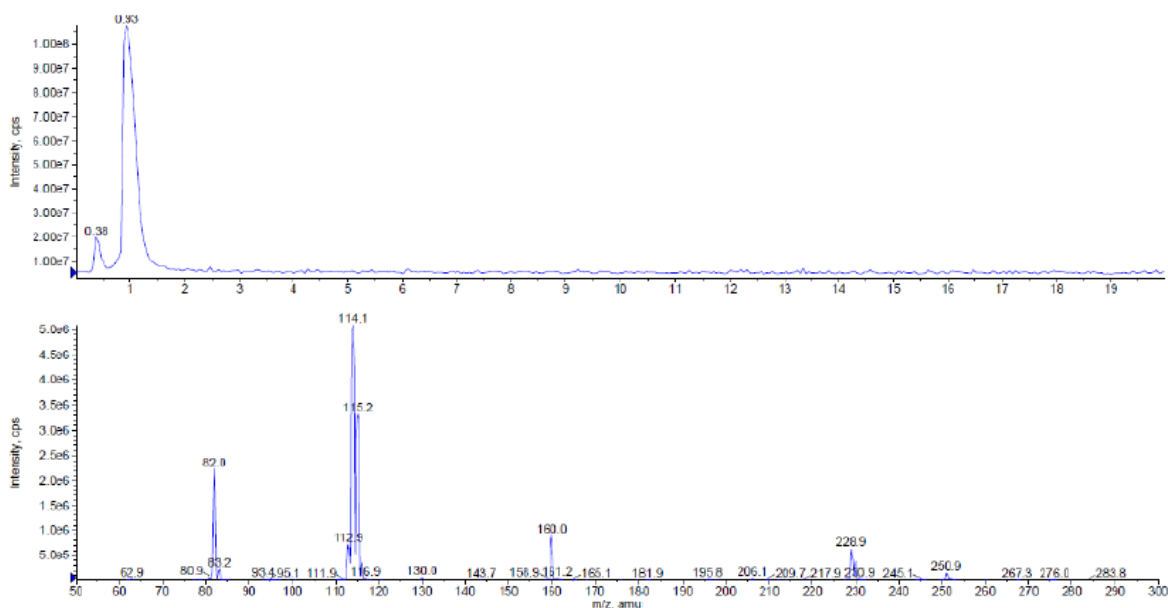
The balances used are calibrated with weights traceable to the national standards (DKD).

The HPC Standards GmbH produces reference materials according to ISO 17034. For further information, check:



HPLC-Method

Article 680287
Lot-No. 798647
Column L=50mm, ID=2.0mm; Luna C-18 (2), 100A, 3µm
Eluent Acetonitrile + 0.1 % FA/Water+0.1 FA 50/50
Flow 0.4 ml min⁻¹
Detector ESI-MS (negative ionization)
Injection-Volume 2µl
Sample 1.0 mg ml⁻¹ (Water)



Exemplary chromatogram of given method.

Version	Article	Lot	Reason for Change	Date
2.1	680287	798647	Formate update	22 Oct 2020
3	680287	798647	Text update	08 Jun 2023