

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalog Number</b>	00539
<b>Product Name</b>	4-Methylumbelliferyl phosphate di-(2-amino-2-methyl-1,3-propanediol) salt 4-MUP-di(AMPD)
<b>Lot Number</b>	16-420-66
<b>CAS Registry Number</b>	107475-10-5
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>31</sub> N <sub>2</sub> O <sub>10</sub> P
<b>Molecular Weight</b>	466.4 (anhydrous)
<b>Appearance</b>	White crystalline powder
<b>Purity By HPLC Area Analysis</b>	99.9%
<b>Water (Karl Fischer)</b>	1.9%
<b>Molar Absorptivity (anhydrous salt)</b>	14,147 @ 320nm, 10mM Diethanolamine,pH 10.3 @ 25°C
<b>Inorganic Phosphate</b>	0.02%
<b>Free Methylumbelliferyl</b>	0.0024%
<b>Expiration Date</b>	21 September, 1996
<b>Storage</b>	Store at 0-5°C.
<b>Remarks</b>	See material safety data sheets for additional information. For laboratory use only.

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Sashi Kumar**  
Quality Control Manager