



CERTIFICATE of ANALYSIS

PRODUCT: **D-AP3**
D(-)-2-Amino-3-phosphonopropionic acid
C₃H₈NO₅P, M.W. 169.1, CAS# [128241-72-5]

PRODUCT NUMBER: A-1044

LOT NUMBER: B1269

APPEARANCE: White Solid

SOLUBILITY: Soluble in water.

PURITY (HPLC): > 97%

NMR: Spectrum confirms

MELTING POINT: 218-220 °C

OPTICAL DATA: $[\alpha]^{25}_D = -13.0$ (c = 2,1N, NaOH)

ELEMENTAL ANALYSIS:

Theoretical	Actual
C: 21.31	C: 21.22
H: 4.77	H: 4.85
N: 8.28	N: 7.99

STORAGE & HANDLING: Store at +4°C. **Protect from light!**

CAUTION: For laboratory research & scientific manufacturing use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

VERIFIED: TA