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## Product Specification

Product Name:

Adenosine 5'-triphosphate disodium salt hydrate – microbial, BioReagent, suitable for cell culture, ≥99% (HPLC)

Product Number:

**A6419**

CAS Number:

34369-07-8

MDL:

MFCD00150755

Formula:

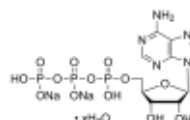
C<sub>10</sub>H<sub>14</sub>N<sub>5</sub>Na<sub>2</sub>O<sub>13</sub>P<sub>3</sub> · xH<sub>2</sub>O

Formula Weight:

551.14 g/mol

Storage Temperature:

-20 °C



### TEST

### Specification

Appearance (Color)

White

Appearance (Form)

Powder

Solubility (Color)

Colorless

Solubility (Turbidity)

Clear

50 mg/mL, H<sub>2</sub>O

Proton NMR Spectrum

Conforms to Structure

Water (by NMR)

≤ 12 %

% Solvent

≤ 3

By NMR

UV-Vis Spectrum

97.0 - 100.5 %

Based on EmM = 15.4 at lambda maximum

of 258 nm - 260 nm in 0.1 M Phosphate,

pH 7.0, Dry Basis

Purity (HPLC)

≥ 99 %

Cell Culture Test

Pass

Recommended Retest Period

4 years

Source

Conforms

Microbial

Specification: PRD.7.ZQ5.10000012058

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.