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## Product Specification

Product Name:

Adenosine 5'-diphosphate sodium salt - bacterial, ≥95% (HPLC)

Product Number:

A2754

CAS Number:

20398-34-9

MDL:

MFCD00065470

Formula:

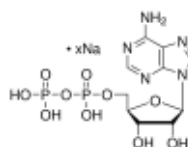
C<sub>10</sub>H<sub>15</sub>N<sub>5</sub>O<sub>10</sub>P<sub>2</sub>

Formula Weight:

427.20 g/mol

Storage Temperature:

-20 °C



### TEST

### Specification

Appearance (Color)

White to Off White

Appearance (Form)

Powder

Solubility (Color)

Colorless to Very Faint Yellow

Solubility (Turbidity)

Clear to Slightly Hazy

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

Proton NMR Spectrum

Conforms to Structure

Water (by Karl Fischer)

≤ 11 %

% Alcohol

≤ 5

By Gas Chromatography

Sodium (Na)

5 - 8 %

Phosphorus (Dry Basis)

13.4 - 15.5 %

Sodium Free Basis

Purity (HPLC)

≥ 95 %

Recommended Retest Period

3 years

Note

Formula and formula weight are for the free acid

Specification: PRD.2.ZQ5.10000029096

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.