

# *Chem-Impex International, Inc.*

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825 Dillon Drive

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## *Certificate of Analysis*

<b>Catalogue Number</b>	29823
<b>Product</b>	<b>Adenosine free base, low endotoxins</b>
<b>Lot Number</b>	000718-46372700 Adenine-9-β-D-ribofuranoside Adenine riboside
<b>CAS Number</b>	58-61-7
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>13</sub> N <sub>5</sub> O <sub>4</sub>
<b>Molecular Weight</b>	267.24

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<b>Synonym 3</b>	9-β-D-Ribofuranosyladenine
<b>Appearance</b>	White crystalline powder
<b>Solubility</b>	Colorless (C=3.3% w/v, H <sub>2</sub> O)
<b>Melting Point</b>	235.8°C
<b>Heavy Metals</b>	< 10 ppm (as Pb)
<b>Anion</b>	Chlorides: < 70 ppm Sulphates: < 200 ppm
<b>Cation</b>	Ammonia: < 4 ppm
<b>Yeast and Mold</b>	Total count: < 10 CFU/g
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>25</sup> = -68.1° (C = 2% in 5% NaOH)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Loss on Drying</b>	0.06% (105°C, 2h)
<b>Bacterial Endotoxins</b>	< 50 EU/100g
<b>Related Substances</b>	Guanosine: < LOD, Inosine: < LOD, Uridine: < LOD, Adenine: < LOD
<b>Residue On Ignition</b>	0.01%
<b>Purity by HPLC</b>	100.0%
<b>Additional Information</b>	Total aerobic microbial count: < 10 CFU/g

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**Remarks**

See material safety data sheet for additional information

For laboratory use only

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

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

**Bala Kumar**  
**Quality Control Manager**