

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	01750
<b>Product</b>	<b>Adenine-9-<math>\beta</math>-D-arabinofuranoside</b>
<b>Lot Number</b>	001150-0120160802 Ara-A 9- $\beta$ -D-Arabinofuranosyladenine
<b>CAS Number</b>	5536-17-4
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>13</sub> N <sub>5</sub> O <sub>4</sub>
<b>Molecular Weight</b>	267.2

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<b>Appearance</b>	White to off-white crystalline powder
<b>Solubility</b>	Clear to slightly hazy colorless solution (50 mg / mL in 0.5 M HCl)
<b>Heavy Metals</b>	10 ppm
<b>pH</b>	6.5
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>20</sup> = -58.5° (C=1 in DMF)
<b>Infrared Spectrum</b>	Conforms to reference
<b>Loss on Drying</b>	0.1%
<b>Related Substances</b>	Total impurities: 0.2%
<b>Residue On Ignition</b>	0.1%
<b>Purity by HPLC</b>	99.8%
<b>Storage</b>	Store at 0-8 °C
<b>Additional Information</b>	1. Shows positive reaction 2. UV absorption: max. at 259 nm and min. at 228 nm

# *Certificate of Analysis*

**Catalog Number: 01750**

**Lot Number: 001150-0120160802**

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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**



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