

# Chem-Impex International, Inc.

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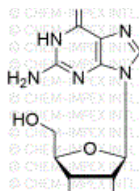
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

<b>Catalogue Number</b>	00172
<b>Product</b>	<b>Guanosine</b> 9-β-D-Ribofuranosyl-guanine Guanine-9-β-D-ribofuranoside
<b>CAS Number</b>	118-00-3
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>13</sub> N <sub>5</sub> O <sub>5</sub>
<b>Molecular Weight</b>	283.24

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<b>Appearance</b>	White crystalline powder
<b>Heavy Metals</b>	≤ 10 ppm
<b>Cation</b>	Total Arsenic (As): ≤ 0.2 ppm
<b>Infrared Spectrum</b>	Conforms to structure
<b>UV Ratios</b>	250/260 nm = 0.90-0.98 280/260 nm = 0.66-0.74
<b>Loss on Drying</b>	≤ 5.0%
<b>Related Substances</b>	By HPLC: Guanin: ≤ 1.0% Total impurities: ≤ 1.0%
<b>Residue On Ignition</b>	≤ 0.5%
<b>Assay by titration</b>	≥ 99% (Anhydrous basis)
<b>Storage</b>	Store at RT

**For Laboratory Use Only**