

## Gojira Fine Chemicals, LLC

Quality Products & Services Meeting Customer Needs
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## **Certificate of Analysis**

## **Spermidine Free Base**

Catalog Number:SP1016Lot Number:0615801CAS Number:124-20-9

**Synonym(s):** 1,8-Diamino-4-azaoctane, *N*-(3-Aminopropyl)-1,4-diaminobutane

Molecular Formula: $C_7H_{19}N_3$ Molecular Weight:145.25Storage: $15^{\circ}C - 30^{\circ}C$ Date of Manufacture:March 15, 2018Retest Date:March 14, 2020

Test	Specification	Result
Appearance	Low-melting solid to colorless liquid	Conforms
Purity (GC)	≥ 99.0%	99.4%
Moisture (KF)	≤ 0.7%	< 0.1%

Date: June 15, 2018

Approved by:

John Grubb, PhD

Gojira Fine Chemicals, LLC

John grubb

Quality Manager

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