

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	33466
Lot Number	000129-12120
Product	Spermine(N₃HHH)•3HCl N ¹ -(3-Aminopropyl)-N ⁴ -(3-azidopropyl)butane-1,4-diamine trihydrochloride
CAS Number	1190203-77-0 (net)
Molecular Formula	C ₁₀ H ₂₄ N ₆ •3HCl

Appearance	Off-white crystalline powder
Melting Point	214 - 217 °C
Assay by titration	98%
Purity by TLC	> 98%
Storage	Store at 2 - 8 °C
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