

Certificate of Analysis

Date of Testing: 2022-09-20 15:55:16

Date of Next Testing: 2024-09-19 15:55:16

Product Name: **1,3-Cyclohexanediamine (cis- and trans- mixture)**

CAS Number: 3385-21-5

Specifications & Purity: >95.0%(GC)

Lot #: I2208682

SKU # **C153345**

Analysis: **119893**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(NonaqueousTitration)	94.5-105.5 (%)	99.00 %
Density (20°C)	0.95-0.956	0.95
Purity(GC)(total of isomers)	95-100 (%)	98.70 %
Refractive index n ₂₀ /D	1.49-1.493	1.49
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
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