

Certificate of Analysis

Date of Testing: 2023-02-24 11:57:42

Date of Next Testing: 2027-02-23 11:57:42

Product Name: **4-Chloro-3-nitrotoluene**

CAS Number: 89-60-1

Specifications & Purity: 97%

Lot #: B2317620

SKU #: **C121709**

Analysis: **173029**

Parameter	Limit Values	Result
Density (20°C)	1.307-1.31	1.31
Refractive index n ₂₀ /D	1.555-1.56	1.56
Purity(GC)	97-100 (%)	98.86 %
Appearance (C121709)	Yellow to dark brown liquid	Yellow to dark brown liquid
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager