

Certificate of Analysis

Date of Testing: 2022-03-26 18:05:16

Date of Next Testing: 2024-03-25 18:05:16

Product Name: **1-(2-Cyanoethyl)-2-ethyl-4-methylimidazole (contains 5-methyl isomer)**

CAS Number: 23996-25-0

Specifications & Purity: $\geq 70.0\%$ (GC)

Lot #: C2223217

SKU #: **C133754**

Analysis: **072891**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	70-100 (%)	72.22 %
Refractive index n ₂₀ /D	1.505-1.509	1.51
Purity(Nonaqueous Titration)	98-100 (%)	99.20 %
Appearance (C133754)	Colorless to light yellow or brown Liquid	Colorless to light yellow or brown Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager