

Certificate of Analysis

Product Name: Triethylamine
puriss. p.a., >= 99.5 % GC

Product Number: 90340

Batch Number: STBK5760

CAS Number: 121-44-8

Formula: (C₂H₅)₃N

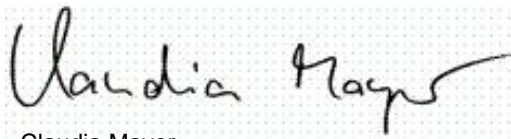
Formula Weight: 101.19

Quality Release Date: 10 JAN 2022

Recommended Retest Date: JAN 2025

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	COLORLESS	COLORLESS
APPEARANCE (FORM)	LIQUID	LIQUID
PURITY (GC AREA %)	≥ 99.50 %	> 99.99 %
REFRACTIVE INDEX N ₂₀ /D	1.400 - 1.402	1.401
WATER (COULOMETR.)	≤ 0.1 %	< 0.1 %
RESIDUE (EVAPORATION)	≤ 0.003 %	0.001 %
INFRARED SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS
ALUMINIUM (ICP)	≤ 0.2 MG/KG	< 0.2 MG/KG
BARIUM (ICP)	≤ 0.1 MG/KG	< 0.1 MG/KG
BISMUTH (ICP)	≤ 0.1 MG/KG	< 0.1 MG/KG
CALCIUM (ICP)	≤ 0.5 MG/KG	< 0.5 MG/KG
CADMIUM (ICP)	≤ 0.05 MG/KG	< 0.05 MG/KG
COBALT (ICP)	≤ 0.02 MG/KG	< 0.02 MG/KG
CHROMIUM (ICP)	≤ 0.02 MG/KG	< 0.02 MG/KG
COPPER (ICP)	≤ 0.02 MG/KG	< 0.02 MG/KG
IRON (ICP)	≤ 0.1 MG/KG	< 0.1 MG/KG
POTASSIUM (ICP)	≤ 0.5 MG/KG	< 0.5 MG/KG
LITHIUM (ICP)	≤ 0.1 MG/KG	< 0.1 MG/KG
MAGNESIUM (ICP)	≤ 0.1 MG/KG	< 0.1 MG/KG
MANGANESE (ICP)	≤ 0.02 MG/KG	< 0.02 MG/KG
MOLYBDENUM (ICP)	≤ 0.02 MG/KG	< 0.02 MG/KG
SODIUM (ICP)	≤ 0.5 MG/KG	< 0.5 MG/KG
NICKEL (ICP)	≤ 0.02 MG/KG	< 0.02 MG/KG
LEAD (ICP)	≤ 0.1 MG/KG	< 0.1 MG/KG
STRONTIUM (ICP)	≤ 0.1 MG/KG	< 0.1 MG/KG

ZINC (ICP)	≤ 0.1 MG/KG	< 0.1 MG/KG
RESIDUE (FILTER TEST)	NO RESIDUE	NO RESIDUE
UV - ABS. AT 260 NM	REPORT RESULT	5
UV - ABS. AT 280 NM	REPORT RESULT	1
CUT-OFF	250 - 278 NM	278 NM



Claudia Mayer

Manager Quality Control

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Sigma-Aldrich warrants that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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