

Certificate of Analysis

Date of Testing: 2024-09-29 10:29:25
Date of Next Testing: 2028-09-28 10:29:25
Product Name: **Heptane**
CAS Number: 142-82-5
Specifications & Purity: Chromatographic grade, ≥99%(GC)
Lot #: G2408593
SKU #: **H108112**
Version: **0**
Analysis #: **415648**
Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|-------------------------------------|-----------------------|-----------------------|
| Refractive index n ₂₀ /D | 1.385-1.389 | 1.39 |
| Fluorescence (quinine) at 365 nm | 0-1 (ppb) | 0.24 ppb |
| UV Absorbance 260nm | 0-0.01 | 0.00 |
| UV Absorbance 200nm | 0-0.7 | 0.60 |
| UV Absorbance 230nm | 0-0.05 | 0.03 |
| UV Absorbance 220nm | 0-0.1 | 0.07 |
| Purity(GC) | 99-100 (%) | 99.34 % |
| Residue on Evaporation | 0-0.0003 (%) | 0.00 % |
| UV Absorbance 210nm | 0-0.4 | 0.20 |
| Fluorescence (quinine) at 254 nm | 0-1 (ppb) | 0.24 ppb |
| free acid (as CH ₃ COOH) | 0-0.001 (%) | 0.00 % |
| UV Absorbance 400nm | 0-0.01 | 0.00 |
| Water by Karl Fischer | 0-0.01 (%) | 0.00 % |
| UV Absorbance 245nm | 0-0.01 | 0.01 |
| Appearance (H108112) | Colorless liquid | Colorless liquid |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |



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

John Su
QA & QC Manager