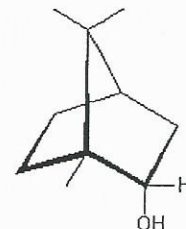




INDOFINE Chemical Company, Inc.

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GC ANALYSIS

025421S (+)-BORNEOL Lot No.: 16102913

IDENTIFICATION

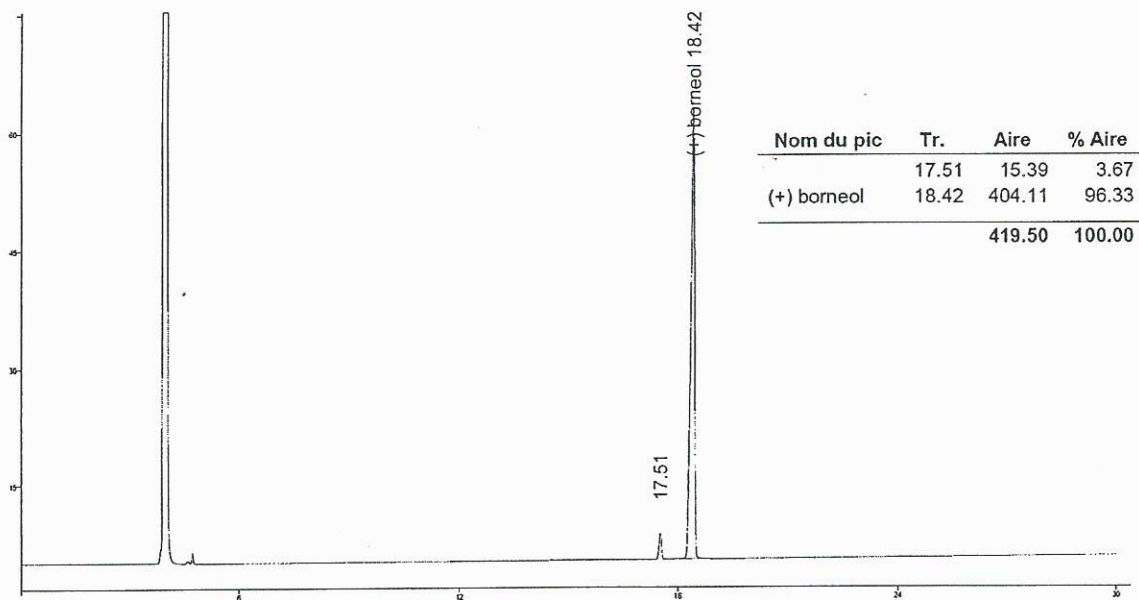
| | |
|-------------------|-----------------------------------|
| CAS Number | [464-43-7] |
| Molecular formula | C ₁₀ H ₁₈ O |
| Molecular weight | 154.25 |

ANALYSIS

| TEST | SPECIFICATION (October 2015, version 03) | RESULT |
|---------------------------|--|---------------------|
| Appearance | White solid | Conform |
| [α] _D | _____ | +34° c=5 in ethanol |
| Melting point | _____ | 207-208°C |
| Assay (GC)* | ≥96% (sum of enantiomers) | Conform |

GC

Column Carbowax capillary 30m x 0.32 mm x 0.25 μ m
Temperature Column 70 to 220°C (5°C/min)
Injector 200°C, Detector 230°C
Detector FID
Carrier gas Helium 1 ml/mn
Sample solvent Isopropanol



The values given on the 'Certificate of Analysis' are the results determined at the time of analysis

Storage

Flammable, Harmful -Store at +2/8°C