

**INDOFINE Chemical Company, Inc.**

121 Stryker Lane, Bldg. 30, Suite 1
Hillsborough, NJ 08844 USA
Phone: (908) 359-6778; Fax: (908) 359-1179

H P L C**Batch: 09****ALLIIN****027253S****IDENTIFICATION**

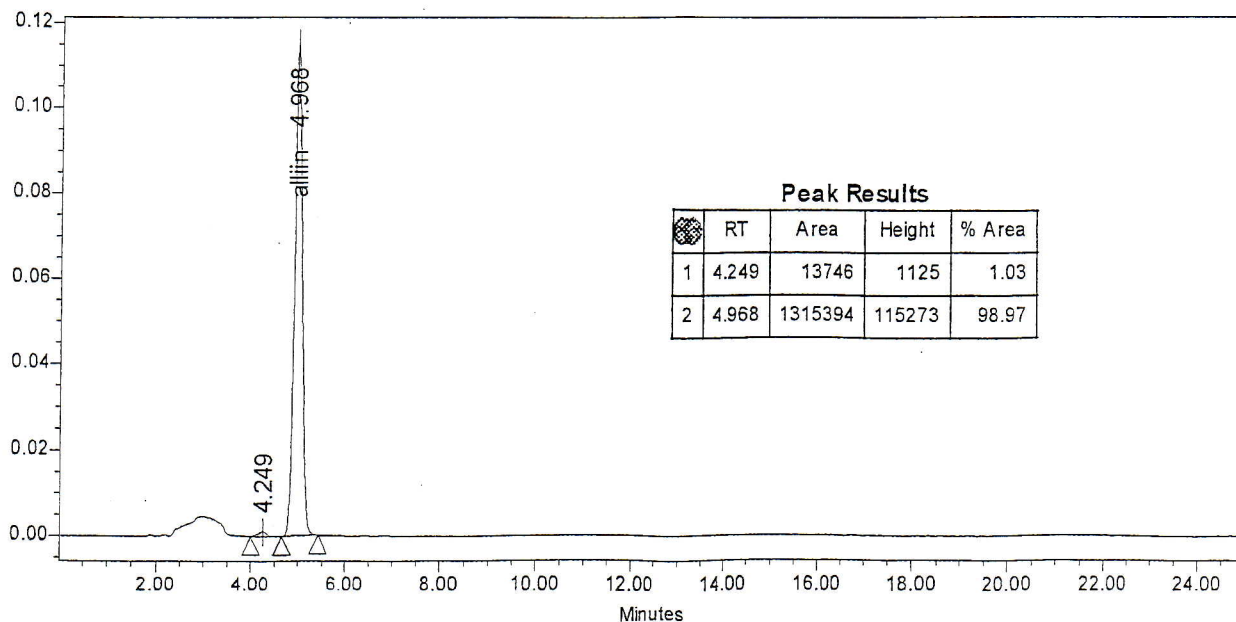
CAS number [556-27-4]
Chemical family Sulfur derivatives
Chemical names (S)-3-(Allylsulfinyl)-L-alanine
S-allyl-L-cysteine sulfoxide
Molecular formula $C_6H_{11}NO_3S$
Molecular weight 177.22

CERTIFICATE OF ANALYSIS

Appearance White powder
Melting point 152-153°C
Thin layer chromatography support Silicagel
solvent n-Butanol/n-propanol/acetic acid/water (3/1/1/1:V/V/V/V)
detection Ninhydrine
Moisture 1.4%
[α]_D + 61° (c=1 in water)
PMR Spectrum Corresponds
Storage Store at room temperature in a dry and dark place.

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column Nova pak C18® (100 x 8 mm), particle size 4 μ m
Solvent THF / 1.4 Dioxane / Acetonitrile / Buffer phosphate pH7.1 (1.2/30/4/65 , V/V/V/V)
Flow rate 1.5 ml/mn
Detector UV visible 337 nm
Sample solvent Derivatization: 18ml of a solution: (140mg o-phthaldialdehyde in 5ml methanol + 100 μ l tert-butylthiol) in 50 ml buffer ph9
2 ml of a solution: 15 mg of alliin in 20 ml methanol/water (50/50 , V/V)



Product no-certified. Assay by an HPLC method.
Date of last QC-recheck : 02/04/02

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