

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-07-15 10:32:55  
Date of Next Testing: 2025-01-11 10:32:55  
Product Name: **Heptafluorobutyric acid**  
CAS Number: 375-22-4  
Specifications & Purity: for ion pair chromatography,  $\geq 99.5\%$ (GC)  
Lot #: F2330992  
SKU #: **H106256**  
Version: **0**  
Analysis #: **387397**  
Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.654-1.658	1.65500
Total Metallic Impuritie	0-200 (ppm)	70.00000 ppm
Purity(GC)	99.5-100 (%)	99.50000 %
Purity(Based on Trace Metals Impurities of ICP)	99.99-100 (%)	99.99300 %
Appearance (H106256)	Colorless to light yellow liquid	Colorless to light yellow liquid
Fluorine NMR Spectrum	Conforms to Structure	Conforms to Structure
GCMS	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager