

Certificate of Analysis

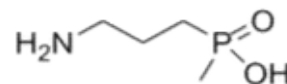


Product Identification

Catalog number HB0954
Compound name SKF 97541
Chemical name 3-Aminopropyl(methyl)phosphinic acid

Batch number E2126-3-5
Batch molecular formula $C_4H_{12}NO_2P$
Batch molecular weight 137.12

Chemical Structure



Method

QC requirement

QC Result

| | | |
|---------------------|---|----------------------------------|
| NMR | 1H NMR in D_2O at 300 MHz consistent with structure | Meets specification |
| Mass spectrum | Electrospray positive analysis consistent with structure | Meets specification |
| Microanalysis | Elemental analysis is within 0.4% for the batch molecular formula | Meets specification |
| TLC | TLC analysis in 60% PAW/BuOH shows one spot under ninhydrin | Meets specification: $R_f=0.38$ |
| Physical appearance | White to off-white solid | Meets specification: White solid |
| Solubility | Soluble in water (100 mM) | Meets specification |

Produced by

Signature

Passed by

Signature

Date

09/03/2023

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.