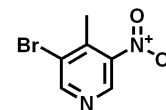


## Certificate of Analysis

Date of Manufacture: 2011-09-28  
Batch No: A20111013

Date of Analysis: 2011-09-28

Catalog No.: HP13423  
Product Name: 3-Bromo-4-methyl-5-nitropyridine  
Formula:  $C_6H_5BrN_2O_2$   
Molecular Weight: 217.02  
CAS Number: 69872-15-7



| Items               | Specifications            | Results of Analysis       |
|---------------------|---------------------------|---------------------------|
| Appearance:         | Pale yellow powder        | Pale yellow powder        |
| <sup>1</sup> H-NMR: | Consistent with structure | Consistent with structure |
| Assay (HPLC):       | 98.0%min                  | 98.1%                     |
| Melting Point:      | 53-55 deg C               | 53-55 deg C               |
| Loss on Drying:     | ≤0.5%                     | 0.38%                     |

Storage: Room Temperature, Dry  
Origin of Country: P. R. China