

# Certificate of Analysis

## Compound Information

**Product Name:** (4-(9H-Carbazol-9-Yl)Butyl)Phosphonic Acid  
**CAS No.:** 20999-36-4  
**Cat. No.:** G9971970  
**Molecular Formula:** C<sub>16</sub>H<sub>18</sub>NO<sub>3</sub>P  
**Molecular Weight:** 303.29

## Batch Information

**Batch No.:** 3296543  
**Test Date:** 2025-05-11  
**Report Date:** 2025-05-12  
**Retest Date:** 2031-11-06  
**Storage:** Store in a dark,dry area.  
**Origin:** China

## Test Item

Test	Specification	Result
Purity	97%+(NMR)	Conforms to specification
NMR	Consistent with structure	Consistent with structure

## Conclusion

The product has been tested and complies with the given specifications.

## Signature

Reviewed by :



Reviewed by:



Approved by:

