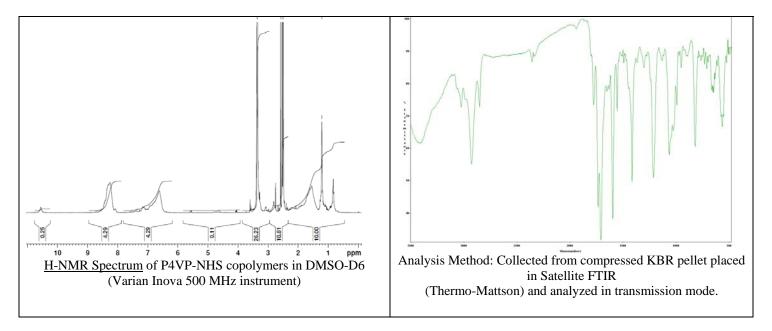
No. AI59

Certificate of Analysis

Product Name: Poly(4-vinylpyridine)-N-hydroxysuccinimide endcap (P4VP-NHS)(IV

0.01-0.1) (Lot#: 40109JSG)



• Viscosity in Ethanol

Method: 2g/dL solution of P4VP-NHS dissolved in USP grade ethanol and viscosity tested using a Cannon mini-viscometer (C286) in a 30C water bath. Average of 3 times taken and viscosity compared to literature reported values for pure ethanol at 30C to obtain inherent viscosity. Data shown as average \pm 95% confidence.

P4VP-NHS Inherent Viscosity	0.069 ± 0.003
in Ethanol (30C)	

• Structure of P4VP-NHS copolymers