

## Certificate of Analysis

Date of Testing: 2023-06-01 17:19:27  
Date of Next Testing: 2023-12-01 17:19:27  
Product Name: **1-Vinyl-2-pyrrolidone**  
CAS Number: 88-12-0  
Specifications & Purity: 99%,contains100ppm NaOH as stabilizer  
Lot #: E2329873  
SKU #: **V106155**  
**Analysis:** **222129**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Refractive index n <sub>20</sub> /D	1.512-1.515	1.51
Density (20°C)	1.044-1.047	1.05
Purity(GC)	99-100 (%)	99.75 %
Appearance (V106155)	Colorless to light yellow liquid	Colorless to light yellow liquid
Stability (100 ppm Sodium hydroxide)	Conforms	Conforms
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager