



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-344972  
Lot Number: SAMPLE  
Product Name: p-Toluenesulfonyl azide  
CAS Number: 941-55-9  
Molecular Formula:  $C_7H_7N_3O_2S$   
Molecular Weight: 197.21

| Test                                  | Specification                                                        | Result                  |
|---------------------------------------|----------------------------------------------------------------------|-------------------------|
| Appearance                            | Colorless to light yellow and colorless to light brown-yellow liquid | Almost colorless liquid |
| Assay                                 | 11 - 15% (w/w) in toluene                                            | 12.6% (w/w) in toluene  |
| Identification (1H-NMR)               | Consistent with structure                                            | Complies                |
| Purity (HPLC)                         | $\geq 97\%$                                                          | 97.6%                   |
| Specific Gravity                      | 0.880 - 0.920 (20 °C/ 4 °C)                                          | 0.900                   |
| Refractive Index (n <sub>20/D</sub> ) | 1.499 - 1.503                                                        | 1.499                   |

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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