

CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-251159
Lot Number: SAMPLE

Product Name: Tetrabutylammonium p-toluenesulfonate

CAS Number: 7182-86-7 Molecular Formula: $C_{23}H_{43}NO_3S$ Molecular Weight: 413.66

Test	Specification	Result
Appearance	White to off-white or beige powder, crystals	Off-white powder
Identification (¹H-NMR)	Consistent with structure	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (Titration)		< 1% TBA-CI (with AgNO ₃ after oxygen combustion)
Carbon Content	65.8 - 67.8%	66.10%
Hydrogen Content		10.47%
Nitrogen Content	3.1 - 3.7%	3.18%

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.