



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-258218
Lot Number: SAMPLE
Product Name: Tetrabutylphosphonium p-toluenesulfonate
CAS Number: 116237-97-9
Molecular Formula: $C_{23}H_{43}O_3PS$
Molecular Weight: 430.62

Test	Specification	Result
Appearance	White to off-white powder or crystals	Off-white powder
Identification (1H -NMR)	Consistent with structure	Complies
Purity (Nonaqueous Titration)	$\geq 95.0\%$ (HClO ₄ 0.1 M)	95.7%
Bromide	≤ 250 mg/kg	< 250 mg/kg
Carbon Content	64.15%	62.90%
Hydrogen Content	10.06%	9.91%
Water Content	$\leq 1.0\%$	0.2%

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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