



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-215960
Lot Number: SAMPLE
Product Name: Tetramethylrhodamine-5-isothiocyanate
CAS Number: 80724-19-2
Molecular Formula: $C_{25}H_{21}N_3O_3S$
Molecular Weight: 443.52

Test	Specification	Result
Appearance		Purple solid
Purity (HPLC)	$\geq 85\%$ at 254 nm	97% at 254 nm
Purity (TLC)	$\geq 85\%$	> 98%
Extinction Coefficient	$99,000 \pm 8,000 \text{ cm}^{-1}\text{M}^{-1}$	$101,900 \text{ cm}^{-1}\text{M}^{-1}$
Fluorescence Emission Max	$571 \pm 4 \text{ nm}$	572 nm
λ_{max}	$543 \pm 3 \text{ nm}$ in methanol	544 nm

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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