



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-493250
Lot Number: SAMPLE
Product Name: Disperse Yellow 56
CAS Number: 54077-16-6
Molecular Formula: $C_{21}H_{15}N_5O_2$
Molecular Weight: 369.38

Test	Specification	Result
Identification (LCMS)	m/z: 369 positive mode	m/z: 370
Purity (HPLC)	$\geq 90\%$ at 254nm	93%
Purity (TLC)	$\geq 90\%$	> 96%
Extinction Coefficient	$42000 \pm 6000 \text{ cm}^{-1}\text{M}^{-1}$	$44700 \text{ cm}^{-1}\text{M}^{-1}$
λ_{max}	$448 \pm 3 \text{ nm}$	449 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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