

Certificate of Analysis

Product Name: Coelenterazine, native
 CAT #: CZ
 CAS #: 55779-48-1
 LOT #: Lot Specific
 Retest Date: Lot Specific
 Storage: Store desiccated at -20°C

TEST	SPECS	RESULT
Appearance:	Brownish-yellow crystalline powder	Brownish-yellow crystalline powder
Color of Solution: (0.0125mg/mL in methanol)	Orange to yellow to brown	Yellow
Purity (TLC): (1mg/mL in methanol, chloroform/methanol 85:15; UV 254nm)	Min. 95 area-%	> 95 area-%
UV: (0.0125mg/mL in methanol, lambda max 1)	431-435nm	431nm
Molar Extinction Coefficient: (0.0125mg/mL in methanol, lambda max 1)	Min. 7800.0 L/(mol cm)	9486.7 L/(mol cm)
UV: (0.0125mg/mL in methanol, lambda max 2)	261-265nm	261nm
Molar Extinction Coefficient: (0.0125mg/mL in methanol, lambda max 2)	Min. 20900 L/(mol cm)	24688 L/(mol cm)
Molar Extinction Coefficient: (0.0125mg/mL in methanol/ 0.1N HCl 9:1, at 281nm)	Min. 20300 L/(mol cm)	22461 L/(mol cm)
FT-IR Spectrum	Corresponds to reference spectrum	Corresponds

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