



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number	BIO-240
Lot Number	001885-2014-05
Product	D-Luciferin
	(S)-2-(6-Hydroxy-2-benzothiazolyl)-2-thiazoline-4-carboxylic acid
CAS Number	2591-17-5
Molecular Formula	C ₁₁ H ₈ N ₂ O ₃ S ₂
Molecular Weight	280.33
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Appearance	Light yellow powder
Solubility	Clear solution (0.25% in Methanol) Soluble in water with a dilute base NaOH or KOH
¹ H NMR	Conforms to structure
Purity by HPLC	99.5%
Storage	Store at -20 °C