

CERTIFICATE OF ANALYSIS**MediLumine Inc.**5795 Av. De Gaspé,
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Chemical Name:	D-(-)-2-(6'-hydroxy-2'-benzothiazoyl)-Δ-2-thiazolene-4-Carboxylic acid, sodium salt
Trade Name(s):	D-Luciferin Sodium Salt
Formula:	C ₁₁ H ₇ N ₂ O ₃ S ₂ NA
Molecular Weight:	302.31
Bulk Catalog Number:	360102
Bulk Lot Number:	P264-126-1
Packaged Catalog Number(s):	241SS, 242SS, 243SS
Packaged Lot Number(s):	MLXXXXX

	Specification	Result
Appearance:	Pale yellow to yellow solid.	Yellow solid
Identification, FTIR :	Conforms to structure	Conforms to structure
Water:	NMT 9.0%	4.5%
Chiral Purity:	Record. Target: NLT 97.0% D-Luciferin. 99.4% AUC	
Purity, HPLC:	NLT 99% AUC	99% AUC
Known Impurity, HPLC:	Impurity at @ RRT 0.84: NMT 0.10%	<0.10%*

* none detected

Expiration Date: 2 years from manufacture date**Note:** Sample hygroscopic and light sensitive. Store in freezer protected from light. Allow to warm to room temperature before opening.