

## CERTIFICATE OF ANALYSIS

<b>PRODUCT:</b>	<b>D-Luciferin, Sodium Salt</b> [Firefly Luciferin sodium salt; 4,5-Dihydro-2-(6-hydroxy-2-benzothiazol)-4-thiazolecarboxylic acid] <b>C<sub>11</sub>H<sub>7</sub>N<sub>2</sub>O<sub>3</sub>S<sub>2</sub> · Na, M.W. 302.3, CAS# [103404-75-7]</b>
<b>PRODUCT NUMBER:</b>	L-1209
<b>LOT NUMBER:</b>	J1174
<b>APPEARANCE:</b>	Light yellow solid.
<b>FTIR:</b>	Conforms to reference
<b>PURITY (HPLC):</b>	99.0%
<b>WATER:</b>	4.6%
<b>CHIRAL PURITY:</b>	99.6%
<b>IMPURITY @ RRT 0.84:</b>	<0.10%
<b>STORAGE &amp; HANDLING:</b>	Store desiccated at -20°C. <b><i>PROTECT FROM AIR AND LIGHT!</i></b>

CAUTION: For laboratory research & scientific manufacturing use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: KLS