

## CERTIFICATE of ANALYSIS

<b>PRODUCT:</b>	<b>OXIRED™ PROBE</b> [10-acetyl-3,7-dihydroxyphenoxazine] C <sub>14</sub> H <sub>11</sub> NO <sub>4</sub> ; M.W. 257.25; CAS# [119171-73-2]
<b>PRODUCT NUMBER:</b>	O-2371
<b>LOT NUMBER:</b>	G1320A
<b>APPEARANCE:</b>	White to pink solid
<b>SOLUBILITY:</b>	Soluble in DMSO or DMF
<b>PURITY:</b>	≥ 99%
<b>PRODUCT INFORMATION:</b>	OxiRed, which has been marketed under the name Amplex Red™ reagent, is a highly sensitive and stable probe for H <sub>2</sub> O <sub>2</sub> , is a fluorogenic (EX/EM = 535/587 nm) and Colorimetric (λ = 570 nm) substrate for peroxidase. In the presence of horseradish peroxidase (HRP), the OxiRed probe reacts in a 1:1 stoichiometry with H <sub>2</sub> O <sub>2</sub> to produce highly fluorescent resorufin. Because H <sub>2</sub> O <sub>2</sub> is produced in many different enzymatic reactions, the OxiRed probe allows researchers to detect the activity of many different enzymes either colorimetrically or fluorometrically.
<b>STORAGE &amp; HANDLING:</b>	Store desiccated at -20°C. <b>PROTECT FROM LIGHT!</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: LA