

# Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB0779	
Compound name	Fura 2	
Chemical name	2-[6-[bis(carboxymethyl)amino]-5-[2-[2-[bis(carboxymethyl)amino]-5-methylphenoxy]ethoxy]-1-benzofuran-2-yl]-1,3-oxazole-5-carboxylic acid pentapotassium salt	
Batch number	E1907-1-1	
Batch molecular formula	C <sub>29</sub> H <sub>22</sub> N <sub>3</sub> O <sub>14</sub> K <sub>5</sub>	
Batch molecular weight	831.99	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >90% purity	Meets specification: 98.0%
UV/Vis absorption	Absorbance in the range 352-356 nm	Meets specification: 352 nm
Extinction coefficient	Greater than 30000	Meets specification: 31100
Physical appearance	Off-white to pale yellow solid	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

02-03-22

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.