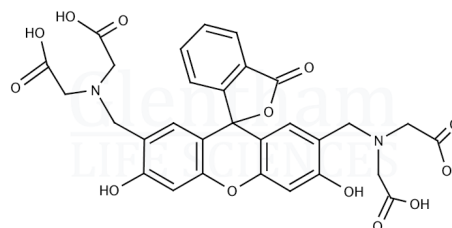


## Certificate of Analysis

Product Name Calcein  
Glentham Code GK2524  
CAS Number 154071-48-4  
EINECS 215-957-1  
MDL Number MFCD00005049  
PubChem SID 310269198  
Additional CAS 1461-15-0  
Batch Number 521RHV

Molecular Weight 622.53  
Molecular Formula  $C_{30}H_{26}N_2O_{13}$   
Storage Temp. +20°C



Property	Specification	Batch 521RHV
Physical Description	Yellow to orange or brown powder	Yellow powder
Identification (IR)	To conform to standard	Conforms
Solubility (0.1% in 0.1M NaOH)	Clear, orange to brown solution	Conforms
Wavelength of Maximum Absorption ( $\lambda_{max}$ )	490.0 - 500.0 nm	496.4 nm
Absorptivity (1%/1cm)	$\geq 800$ (at $\lambda_{max}$ )	1031
Loss on Drying	$\leq 10.0\%$	3.97%
Suitability for Calcium Determination	To pass test	Conforms
Suitability for EDTA titration of Ca in presence of Mg	To pass test	Conforms

Specification Version v1.1  
Manufacture Date 2021-06-04  
Re-Test Date 2030-03-10

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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