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## Certificate of Analysis

Product Name Rose Bengal (C.I. 45440)

 Glentham Code
 GT2559

 CAS Number
 632-69-9

 EINECS
 211-183-3

 Colour Index
 45440

 MDL Number
 MFCD00005043

 PubChem SID
 310279775

 Batch Number
 713RKG

Molecular Weight 1017.65

 $\begin{array}{ll} \text{Molecular Formula} & \quad \text{C}_{20}\text{H}_2\text{Cl}_4\text{I}_4\text{Na}_2\text{O}_5 \end{array}$ 

Storage Temp. +20°C

CI CI O Na+

Property	Specification	Batch 713RKG
Physical Description	Red to brown powder or crystals	Dark red powder
Solubility (0.1% in water)	Red to dark red solution	Conforms
Wavelength of Maximum Absorption (λmax) 540 - 550 nm (in water + 1ml 1% Na2CO3)		547.8nm
Absorptivity (1%/1cm)	≥ 750 (\(\lambda\)max)	933
Loss on Drying	≤ 15.0%	7.4%
Dye Content	≥ 80.0%	92.3%

Specification Version v1.1

Manufacture Date 2021-08-01

Re-Test Date 2031-06-20

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 or contact us using the details above for the current version of this document.

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