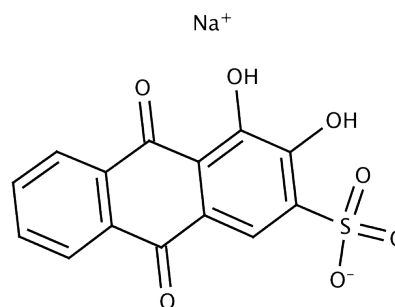


## Product Specification

Product Name : Alizarin Red S (C.I. 58005)  
Glentham Code : GT6383  
CAS Number : 130-22-3  
EINECS : 204-981-8  
Colour Index : 58005  
MDL Number : MFCD00013049  
PubChem SID : 310265987

Molecular Weight : 342.27  
Molecular Formula : C<sub>14</sub>H<sub>7</sub>O<sub>7</sub>Na  
Storage Temp. : +20°C



| Property                            | Specification  |
|-------------------------------------|--|
| Physical Description                | Yellow, orange or brown powder   |
| Solubility (0.1% in water)          | Clear, yellow solution   |
| pH Transition Range(s)              | 4.3 - 6.3 (yellow to pink)<br>9.4 - 12.0 (orange-brown to violet)                                      |
| Wavelength(s) of Maximum Absorption | 553.0 - 559.0 nm (0.1M NaOH, $\lambda_{max\_1}$ )<br>592.0 - 599.0 nm (0.1M NaOH, $\lambda_{max\_2}$ ) |
| Specific Absorption (E1%/1cm)       | $\geq 350$ (at $\lambda_{max\_1}$ )<br>$\geq 320$ (at $\lambda_{max\_2}$ )                             |
| Loss on Drying                      | $\leq 5.0\%$   |
| Specification Version               | : v1.0   |
| Date Created                        | : 2015-10-15   |

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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