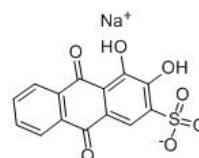


Technical Data Sheet

Alizarin Red S

Compound Information

Product Name:	Alizarin Red S
CAS No.:	130-22-3
Molecular Formula:	C ₁₄ H ₇ NaO ₇ S
Molecular Weight:	342.26
Revision Date:	2026-04-16



Analytical Information

Tests	Specifications
Description	Yellow to orange powder.
Grade	For Microscopy
Solubility	H ₂ O: soluble 1mg/mL
Dye content (Spectrophotometry, on dry basis)	min. 70.00%
pH transition range (pH 4.3 - 6.3)	Brilliant yellow to pink
pH transition range (pH 9.4 - 12.0)	Brown orange to violet
Absorption, L max (pH 4.3)	418 - 424nm
Absorption, L max (pH 6.3)	514 - 520nm
Absorption, L max (pH 9.4)	445 - 451nm
Absorption, L max (pH 12.0)	554 - 558nm
Loss on drying, 110°C	8.00% max.
1H NMR	Pass test
13C NMR	Pass test
IR	Pass test

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.