

Carolina™ Solution Sheets

# Alizarin Yellow R

Learn how to make Alizarin Yellow R solution and about its pH range.

## Materials

Distilled Water (item #858621)  
Alizarin Yellow R (item #842722)  
Stir Bar (item #701091)  
Magnetic Stir Plate (item #701023)  
Volumetric Flask, 100-mL (item #725116)  
Label  
Boiling Chips (item #848280)

## Procedure

1. Dissolve 0.1 g Alizarin Yellow in 100 mL distilled water.

## Notes

- Used for qualitative analysis, not quantitative.

## Label Information

Alizarin Yellow R, 0.1% Aqueous

Date Prepared: \_\_\_\_\_

Initials of Preparer: \_\_\_\_\_

Health Risk: 1

Flammability: 0

Reactivity: 1

## Applications

Alizarin Yellow R is made from the diazo coupling reaction and is used as a pH indicator from pH 10.1 (yellow) to 12.0 (red).

## Reference

Lide, David R., ed. 2008. *CRC handbook of chemistry and physics*, 89th ed. Boca Raton, FL: CRC Press, 2008, pp. 3–10.