



SIGMA-ALDRICH

3050 Spruce Street  
Saint Louis, Missouri 63103 USA  
Telephone 800-325-5832 • (314) 771-5765  
Fax (314) 286-7828  
email: techserv@sial.com  
sigma-aldrich.com

## Product Information

### Buffer, reference standard

Product Number **B 4770**

Store at Room Temperature

**Replacement for Product Code 22,356-5**

### Product Description

pH  $7.00 \pm 0.01$  (25 °C)

Color-coded yellow

Standardized against N.I.S.T. standard reference materials.

This product is routinely used for the calibration of pH meters. This product has the following pH values at the indicated temperatures:

°C	pH
0	7.12
5	7.09
10	7.06
15	7.04
20	7.02
30	6.99
35	6.98
40	6.98
45	6.97
50	6.97

It is prepared with ACS grade dibasic sodium phosphate and monobasic potassium phosphate. The total phosphate content is 0.1 M and consists of 9 g/L of  $\text{Na}_2\text{HPO}_4$  (0.0634 M), 5 g/L of  $\text{KH}_2\text{PO}_4$  (0.0367 M) and is preserved with 0.1 g/L  $\text{NaN}_3$  (sodium azide).

### Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

CMH/RXR 6/03

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