

Acidity measures MpH-1,2

INTENDED FOR

reproducing and transmitting the indicator of the activity of hydrogen ions (pH) in aqueous solutions in accordance with GOST R 8.120-2014 "State system for ensuring the uniformity of measurements. State measurement chain for pH measuring instruments. "

The working standard represents a hydrochloric acid solution (HCl) according to GOST 3118-77 and potassium chloride (KCl) of purity degree of high purity according to GOST 4234-77 in water of purity degree II according to GOST R 52501-2005, prepared in accordance with the document "Preparation of acidity measure MpH-1,2. Technological instruction. MG-FK.25101.00006 ".

The solution reproduces the value of the activity of hydrogen ions of pH 1,2 at solution temperature of $(36.5 \pm 0.5) ^\circ \text{C}$.

The solution is contained in plastic bottles with a volume of 125 cm³ and 270 cm³. The bottles are leakproof and have a screw cap with a protective ring.



Reproducible value of pH at temperature of solution $(36,5 \pm 0,5)^\circ \text{C}$	1,20
Limits of permissible absolute error of pH reproduction	$\pm 0,05$
Volume of measure, cm ³	125, 270
Bottle capacity, cm ³	125, 270
Lifetime, years not less than	1