



# Specification

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1.19898.0500 Phosphate standard solution traceable to SRM from NIST  $\text{KH}_2\text{PO}_4$  in  $\text{H}_2\text{O}$   
1000 mg/l  $\text{PO}_4$  Certipur®

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## Specification

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Concentration	$\beta$ ( $\text{PO}_4^{3-}$ )	990 - 1010	mg/l
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Determination method: Alkalimetric titration.

The content of this solution was determined with sodium hydroxide standard solution (article number 1.09141) standardized against volumetric standard potassium hydrogen phthalate (article number 1.02400). The expanded measurement uncertainty is  $\pm 0.4\%$  ( $k=2$  coverage factor for 95% coverage probability). The certified value is traceable to primary standard NIST SRM 84L (NIST: National Institute of Standards and Technology, USA) by means of volumetric standard potassium hydrogen phthalate, measured in the accredited calibration laboratory of Merck KGaA, Darmstadt, Germany in accordance to DIN EN ISO/IEC 17025.

Ayfer Yildirim

Responsible laboratory manager quality control

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