

## **Arsenous Acid (AsIII) Standard Solution**

Art. ID	NIST-3037
Unit	2 x 10 mL
Deliverydetails	ADR Limited Quantity (LQ) / AIR Dangerous Good (DG)

### **Description**

This Standard Reference Material (SRM) is intended for use as a primary calibration standard for the quantitative determination of the arsenic species arsenous acid (AsIII). This SRM can be used for quality assurance when assigning values to in-house control materials. A unit of NIST-3037 consists of two 10 mL sealed borosilicate glass amber ampoules of an acidified aqueous solution prepared gravimetrically to contain a known mass fraction of arsenous acid. The solution contains hydrochloric acid at a volume fraction of approximately 1 %, which is equivalent to a concentration (molarity) of approximately 0.12 mol/L. Due to digestion of the starting material, arsenic trioxide, with sodium hydroxide, sodium is present in the ampoules at approximately 1000 mg/kg. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified Mass Fraction	Arsenous acid (AsIII)		1,0442 ± 0,0020	mg/g		
Value of AsIII						