

# Product Specification

## PBS Powder

**Lot Number:** SAMPLE**Product Number:** R5489900**Manufacture Date:** N/A**Expiration Date:** N/A

For pH testing, 10.2 grams of this product are dissolved in sufficient high purity Water to make 1 Liter using Class A volumetric glassware.

Name	CAS#	Grade
Sodium Chloride	7647-14-5	ACS
Sodium Phosphate Dibasic	7558-79-4	ACS
Sodium Phosphate, Monobasic Monohydrate	10049-21-5	ACS

Test	Specification	Result	NIST SRM#
Appearance	Colorless/white solid	N/A	
pH at 25°C (Method: SQCP027, SQCP033)	7.00-7.40 (10.2 g/L)	N/A	186-I-g, 186-II-g, 191d

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
R5489900-1000B1	1 kg white poly	60 months
R5489900-50F4	50 kg fiber drum	60 months

**Recommended Storage:** 15°C - 30°C (59°F - 86°F)

This document is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."

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