

NSF Reference Standard Certificate of Analysis Sodium Benzoate Lot no. 11S029-00 Item no. RS1-0046

This is a new NSF reference standard, for which the traceability to USP reference standard has been determined (no EP standard is available). Collaborative testing was performed by three laboratories. The USP assay method was used, plus a Traceability Assay as referenced below. Identification was performed by Infrared Spectroscopic comparison to USP reference standard.

Results were as follows:

1. Traceability Assay (HPLC, EP Methylparahydroxybenzoate monograph, Related Substances method)

Assay vs. USP Standard (lot G0G183)			
	Ave, %	%RSD	
Overall (9 values from 3 laboratories)	99.78	0.43	
Traceability Factor vs. USP: .998			

Note: each of three laboratories performed assays in triplicate, vs. each standard. Traceability Factor represents average assay results of the collaborating labs, vs. USP standard. USP standards was used as labeled (as-is, dried, etc.)

2. USP assay (titration)

Assay			
	Ave, %	%RSD	
Overall (9 values from three laboratories):	100.0	0.24	

Note: each of three laboratories performed assays in triplicate. Assays were performed on the anhydrous basis where compendial specifications so specify.



3. Identification (IR, USP <197M>)

Standard lots: as per Assay

Results: Sample spectrum exhibits maxima and minima at the same wavelengths as the USP standard.

Label text:

Sodium Benzoate 1g

Lot no. 11S029-00 Item no. RS1-0046

Caution! Irritant Do not dry. Keep container tightly closed. Hydroscopic. For quantitative applications refer to the Certificate of Analysis for USP traceability factor.

Expiration Date: April 1, 2015

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