

Certificate of Analysis

Sodium Borate, Decahydrate, ACS Reagent Grade

Lot Number: 1312D02**Product Number:** RDSCS0330**Date Packaged:** DEC 19, 2023**Recommended Retest Date:** APR 2025Chemical formula: $\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$
Formula weight: 381.37**Contains** $\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$ CAS No. 1303-96-4 MW 381.37

Test	Specification	Result
Assay	99.5-105.0 %	103.5 %
Calcium (Ca)	max 0.005 %	< 0.005 %
Chloride (Cl)	max 0.001 %	< 0.001 %
Heavy Metals (as Pb)	max 0.001 %	< 0.001 %
Insoluble Matter	max 0.005 %	0.003 %
Iron (Fe)	max 5 ppm	< 5 ppm
pH of a 0.01 Molar solution	9.15-9.20	9.20
Phosphate (PO_4)	max 0.001 %	< 0.001 %
Sulfate (SO_4)	max 0.005 %	< 0.005 %

Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document traceability and production history for each lot manufactured.

Part Number	Size / Package Type
RDSCS0330-500B1	500 g poly

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

Heidi J Green (12/19/2023)

Operations Manager

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

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