



## Certificate of Analysis

### Borax ACS Sodium Borate Decahydrate

**Catalog Number:** BA1007  
**Lot Number:** Typical  
**CAS Number:** 1303-96-4  
**Molecular Formula:**  $\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$   
**Molecular Weight:** 381.4  
**Storage:** Keep cool and dry  
**Date of Manufacture:** TBD  
**Retest Date:** Two years from the date of manufacture

Test	Specification	Result
Appearance	White powder	Conforms
Assay	$\geq 99.9\%$	102.8%
pH (0.01M)	9.15-9.20	9.17
Insoluble Material	$\leq 0.005\%$	0.0046%
Heavy Metals (as Pb)	$\leq 0.001\%$	$< 0.001\%$
Chloride (Cl)	$\leq 0.001\%$	$< 0.001\%$
Phosphate ( $\text{PO}_4^{3-}$ )	$\leq 0.001\%$	$< 0.001\%$
Sulfate ( $\text{SO}_4^{2-}$ )	$\leq 0.005\%$	$< 0.005\%$
Calcium (Ca)	$\leq 0.005\%$	$< 0.005\%$
Iron (Fe)	$\leq 5$ ppm	$< 5$ ppm

Approved by:

John Grubb, PhD  
Gojira Fine Chemicals, LLC  
QA/QC Manager  
Tel: 440-539-7033 Fax: 888-211-5523  
[john@gojiraafc.com](mailto:john@gojiraafc.com)

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