

# Certificate of Analysis

product name: di-Sodium tetraborate decahydrate  
product number: 106308  
CAS Number: 1303-96-4  
batch: S1154642 2002  
Formula:  $\text{Na}_2\text{B}_4\text{O}_7 \cdot 10 \text{H}_2\text{O}$

## batch values

Assay (acidimetric)	99.5 - 103.0	%
Identity	passes test	
Appearance of solution	passes test	
Insoluble matter	≤ 0.005	%
pH-value (0.01 M Solution, 25 °C)	9.15 - 9.20	
pH-value (4 %, water)	9.0 - 9.6	
Chloride (Cl)	≤ 0.0007	%
Phosphate (PO <sub>4</sub> )	≤ 0.001	%
Sulfate (SO <sub>4</sub> )	≤ 0.005	%
Heavy metals (as Pb)	≤ 0.001	%
As (Arsenic)	≤ 0.0005	%
Ca (Calcium)	≤ 0.005	%
Cu (Copper)	≤ 0.0005	%
Fe (Iron)	≤ 0.0005	%
NH <sub>4</sub> (Ammonium)	≤ 0.001	%
Pb (Lead)	≤ 0.0005	%

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