



Version	00
Molecular weight	286.14
Quality Test / Release Date	07/11/2018
Molecular Formula	C Na ₂ O ₃ · 10 H ₂ O
CAS No	6132-02-1
Linear Formula	Na ₂ CO ₃ ·10H ₂ O
Flash Point (°C)	

Certificate of Analysis

This is to certify that units of the above mentioned lot number were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Acros Organics expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Unless otherwise stated, these products are not intended for dialysis, parenteral, or injectable use without further processing. The following are the actual analytical results obtained:

Catalog Number	12502	Quality Test / Release Date 07/11/2018
Lot Number	A0398608	
Description	Sodium carbonate decahydrate, 99+%, for biochemistry	
Country of Origin	GERMANY	
Declaration of Origin	synthetic	

BSE/TSE comment	
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Chemical Comment	
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Result name	Units	Specifications	Test Value
Appearance (Color)		White	White
Appearance (Form)		Crystals	Crystals
Titration with HCl		≥99.0 %	102.0 %
Solubility		Clear colorless	Clear colorless
pH		(0.5 M in water) Approx. 12.0	11.3 (0.5 M in water) Approx. 12.0
Heavy metals (as Pb)		≤5 ppm	≤5 ppm
UV		at 260 nm A: ≤0.05	at 260 nm A: ≤0.001
UV		at 280 nm A: ≤0.03	at 280 nm A: ≤0.001
UV		(0.5 M in water)	(0.5 M in water)
Chloride (Cl)		≤0.001 %	≤0.001 %
PO ₄ , SiO ₂ (as SiO ₂)		≤0.003 %	≤0.003 %
Aluminium (Al)		≤0.0005 %	≤0.0005 %
Arsenic (As)		≤0.0002 %	≤0.0001 %
Calcium (Ca)		≤0.002 %	≤0.002 %
Copper (Cu)		≤0.0005 %	≤0.0005 %
Iron (Fe)		≤0.0002 %	≤0.0002 %
Magnesium (Mg)		≤0.0002 %	≤0.0002 %
Potassium (K)		≤0.005 %	≤0.005 %
Zinc (Zn)		≤0.0005 %	≤0.0005 %
Total nitrogen (as N)		≤0.0005 %	≤0.0005 %
Total sulfur (as SO ₄)		≤0.003 %	≤0.003 %

Result name	Units	Specifications	Test Value
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L. Van den Broek, QA Manager

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