

Molecular weight Quality Test / Release Date Molecular Formula CAS No Linear Formula

286.14 10/19/2018 C Na2 O3 . 10 H2 O 6132-02-1 Na2CO3.10H2O

## 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 10/19/2018
Lot Number	A0401718	
Description	Sodium carbonate decahydrate,99+%,for bioch	emistry
Country of Origin	GERMANY	
Declaration of Origin	synthetic	

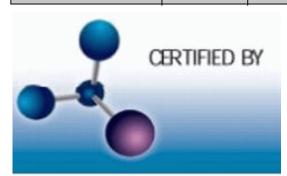
## **BSE/TSE** comment

## **Chemical Comment**

Result name	Units	Specifications	Test Value
Appearance (Color)		White	White
Appearance (Form)	İ	Crystals	Crystals
Titration with HCI		>=99.0 %	100.9 %
Solubility		Clear colorless	Clear colorless
рН		(0.5 M in water) Approx. 12.0	11.4 (0.5 M in water)
Heavy metals (as Pb)		=<5 ppm	=<5 ppm
UV		at 260 nm A: =<0.05	at 260 nm A:0.016
UV		at 280 nm A: =<0.03	at 280 nm A:0.014
UV		(0.5 M in water)	(0.5 M in water)
Chloride (CI)		=<0.001 %	=<0.001 %
PO4, SiO2 (as SiO2)		=<0.003 %	=<0.003 %
Aluminium (AI)		=<0.0005 %	=<0.0005 %
Arsenic (As)		=<0.0002 %	=<0.0002 %
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 SO4)		=<0.003 %	=<0.003 %

Issued: 10-19-2018

Result name **Units Specifications Test Value** 



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