



Version	00
Molecular weight	286.14
Molecular Formula	C Na2 O3 . 10 H2 O
CAS No	6132-02-1
Linear Formula	Na2CO3.10H2O
Flash Point (°C)	

Certificate of Analysis

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Catalog Number	12502	Quality Test / Release Date	01/31/2024
Lot Number	A0459267	Suggested retest date	01/31/2029
Description	Sodium carbonate decahydrate, 99+%, for biochemistry		
Country of Origin	GERMANY		
Declaration of Origin	synthetic		

BSE/TSE	
Chemical	

Result name	Specifications	Test Value
Appearance (Color)	White	White
Appearance (Form)	Crystals	Crystals
Titration with HCl	99.0 to 102.0 %	100.5 %
Solubility	(0.5 M in water) Clear colorless	(0.5 M in water) Clear colorless
pH	11.0 to 12.5 (0.5 M in water)	11.1 (0.5 M in water)
Heavy metals (as Pb)	≤ 5 ppm	≤ 5 ppm
UV	at 260 nm A: ≤ 0.05	at 260 nm A: 0.015
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 (Cl)	≤ 0.001 %	≤ 0.001 %
PO4 and SiO2 (as SiO2)	≤ 0.003 %	≤ 0.003 %
Aluminium (Al)	≤ 0.0005 %	≤ 0.0005 %
Arsenic (As)	≤ 0.0002 %	≤ 0.0002 %
Calcium (Ca)	≤ 0.002 %	≤ 0.002 %
Iron (Fe)	≤ 0.0002 %	≤ 0.0002 %
Magnesium (Mg)	≤ 0.0002 %	≤ 0.0002 %
Potassium (K)	≤ 0.005 %	≤ 0.005 %
Total nitrogen (as N)	≤ 0.0005 %	≤ 0.0005 %
Total sulfur (as SO4)	≤ 0.003 %	≤ 0.003 %

C. Wygaerts, QA Manager

Issued: 02-01-2024

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