



Version	00
Molecular weight	322.20
Quality Test / Release Date	10/15/2019
Molecular Formula	Na ₂ O ₄ S · 10 H ₂ O
CAS No	7727-73-3
Linear Formula	Na ₂ SO ₄ ·10H ₂ O
Flash Point (°C)	

Certificate of Analysis

This is to certify that units of the lot number below 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. Products are for research use or further manufacturing. Not for direct administration to human or animals. It is the responsibility of the purchaser, formulator or those performing further manufacturing to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	45110	Quality Test / Release Date 10/15/2019
Lot Number	A0413008	
Description	Sodium sulfate decahydrate, 99+%, for analysis	
Country of Origin	SPAIN	
Declaration of Origin	Mineral	

BSE/TSE comment	
------------------------	--

Chemical Comment	
-------------------------	--

Result name	Units	Specifications	Test Value
Appearance (Color)		White	White
Appearance (Form)		Crystalline powder	Crystalline powder
Titration after Ion exchange		≥99.0 % (On dry substance)	102.2 % (On dry substance)
pH		5.2 to 9.2 (5 % in water)	6.1 (5 % in water)
Arsenic (As)		≤0.5 ppm	≤0.5 ppm
Calcium (Ca)		≤20 ppm	10 ppm
Iron (Fe)		≤5 ppm	≤2 ppm
Potassium (K)		≤20 ppm	4 ppm
Magnesium (Mg)		≤5 ppm	2 ppm
Chloride (Cl)		≤5 ppm	≤2 ppm
Phosphate (PO ₄)		≤10 ppm	≤2 ppm
Nitrogen (N)		≤5 ppm	≤5 ppm
Heavy metals (as Pb)		≤5 ppm	≤2 ppm



A handwritten signature in black ink, appearing to read "L. Van den Broek".

L. Van den Broek, QA Manager

Issued: 10-16-2019

Acros Organics
 ENA23, zone1, nr 1350, Janssen Pharmaceuticaaan 3a, B-2440 Geel, Belgium
 Tel +32 14/57.52.11 - Fax +32 14/59.34.34 Internet: <http://www.acros.com>
 1 Regent Lane, Fair Lawn, NJ 07410, USA Fax 201-796-1329