

Sodium Citrate, Dihydrate, Crystal  
AR® (ACS)



Material No.: 0754-12  
Batch No.: 0000069291  
Manufactured Date: 2012/08/17  
Retest Date: 2019/08/16

## Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
ACS – Assay ( $\text{HOC}(\text{COONa})(\text{CH}_2\text{COONa})_2 \cdot 2\text{H}_2\text{O}$ )	$\geq 99.0 \%$	100.4
ACS – pH of 5% Solution at 25°C	7.0 – 9.0	8.3
ACS – Insoluble Matter	$\leq 0.005 \%$	0.004
ACS – Chloride (Cl)	$\leq 0.003 \%$	$< 0.003$
ACS – Sulfate ( $\text{SO}_4$ )	$\leq 0.005 \%$	0.005
ACS – Ammonia (as $\text{NH}_3$ )	$\leq 0.003 \%$	$< 0.003$
ACS – Calcium (Ca)	$\leq 0.005 \%$	$< 0.005$
ACS – Heavy Metals (as Pb)	$\leq 5 \text{ ppm}$	$< 5$
ACS – Iron (Fe)	$\leq 5 \text{ ppm}$	$< 5$

For Laboratory, Research or Manufacturing Use  
Appearance (colorless or white crystals)

Country of Origin: AT  
Packaging Site: Paris Mfg Ctr & DC



Phillipsburg, NJ 9001:2008, 14001:2004  
Paris, KY 9001:2008  
Mexico City, Mexico 9001:2008  
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003  
Gliwice, Poland 9001:2008, 17025:2005  
Selangor, Malaysia 9001:2008  
Dehradun, India, 9001:2008, 14001:2004, 13485:2003  
Mumbai, India, 9001:2008, 17025:2005  
Panoli, India 9001:2008

Richard M Siberski  
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600  
Avantor™ Performance Materials Inc.

3477 Corporate Parkway, Suite #200, Center Valley, PA 18034, U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610