

Sodium Citrate, Dihydrate, Crystal  
AR® (ACS)



Material No.: 0754-12  
Batch No.: 0000185981  
Manufactured Date: 2014/12/26  
Retest Date: 2021/12/24

## Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
ACS – Assay ( $\text{HOC}(\text{COONa})(\text{CH}_2\text{COONa})_2 \cdot 2\text{H}_2\text{O}$ )	$\geq 99.0 \%$	99.1
ACS – pH of 5% Solution at 25°C	7.0 – 9.0	8.2
ACS – Insoluble Matter	$\leq 0.005 \%$	$< 0.001$
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)	$\leq 0.005 \%$	$< 0.001$
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, FSSC 22000  
Paris, KY 9001:2008  
Mexico City, Mexico 9001:2008  
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003  
Gliwice, Poland 9001:2008, 13485:2012  
Selangor, Malaysia 9001:2008  
Dehradun, India, 9001:2008, 14001:2004, 13485:2003  
Mumbai, India, 9001:2008  
Panoli, India 9001:2008

Jamie Ethier  
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600  
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