



BOC Sciences

A division of Creative Dynamics Inc.

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Certificate of Analysis

2,3-Dimercaptopropanesulfonic sodium

CAS	4076-02-2	Batch No.	B15L0526
Product Name	2,3-Dimercaptopropanesulfonic sodium	Batch size	1,700 g
MFG. Date	Apr. 26 2015	Retest Date	Apr. 25, 2017
TESTING ITEM	SPECIFICATION	RESULT	
Appearance	White to light yellow crystalline powder	Conforms	
Solubility	Freely soluble in water; almost insoluble in Ethanol (95%), Ether or Chloroform.	Conforms	
Identification	1. Intense crimson color is emerged when adding sodium nitroprusside and hydroxide sodium solution. 2. Yellow residue is formed when adding 10% of lead acetate solution. 3. Positive reaction with sodium.	Conforms Conforms Conforms	
Color of solution	A solution of 0.7g sample in 10 mL should be colorless.	Conforms	
Loss on drying	≤1.0%	0.032%	
Related substances	Pb: ≤20 ppm Zn: ≤20 ppm	4.9 ppm 11 ppm	
Solvent residue	Methanol: ≤0.5% Acetic acid : ≤0.5%	0.01% 0.06%	
Assay (C ₃ H ₇ NaO ₃ S ₃)	≥ 98% (on dried basis)	98.7%	
Microbial limits	Total bacteria and fungi count: ≤100 cfu/g E. coli: Absent/g Pseudomonas aeruginosa Staphylococcus aureus	Conforms Absent Absent Absent	
Conclusion	Correspond		

QA:

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QC:

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Date:

Apr. 28, 2015