

Amended Laboratory Report

Report prepared for:

Ray D Gardner The Elco Corporation 1000 Belt Line Ave Cleveland, OH 44109

Report Number: 100658

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Report prepared by:

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Purchase Order:

34120

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Sample: Quote 7360-T Analysis of HCL GMP/ACS

(1470-ML) LOT# 071317-122

Lab ID: 2017-E-7549 **Received:** 2017-08-02

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
10M: ACS He	avy Metals				
	Reagent Chemicals 11th Ed Supp 1	NMT 1 ppm	As Received	10.08227 g	2017-08-18
408: Color					
	Reagent Chemicals 11th Ed Supp 1	5	As Received	100 mL	2017-08-18
454: Nonvolat					
	Reagent Chemicals 11th Ed Supp 1	< 0.0005 %	As Received	200 g	2017-08-16
711: Ammoni	,				
	GLI Procedure ME-4D	< 2 ppm	As Received	554.01 mg	2017-08-09
	GLI Procedure ME-4D (matrix spike)	90.07 % Recovery	As Received	553.70 mg	2017-08-09
774: Br/I, Free	e Br/Cl, SO4/SO3				
	Reagent Chemicals 11th Ed Supp 1 ¹	< 1 ppm	As Received	85 mL	2017-08-15
	Reagent Chemicals 11th Ed Supp 1 $\frac{2}{}$	< 1 ppm	As Received	50 mL	2017-08-18
	Reagent Chemicals 11th Ed Supp 1 (matrix spike) $\frac{3}{}$	≥ 1 ppm	As Received	50 mL	2017-08-18
	Reagent Chemicals 11th Ed Supp 1 $\frac{4}{}$	< 1 ppm	As Received	42 mL	2017-08-18
	Reagent Chemicals 11th Ed Supp 1 (matrix spike) $\frac{5}{}$	≥ 1 ppm	As Received	42 mL	2017-08-18
	Reagent Chemicals 11th Ed Supp 1 $\frac{6}{}$	< 0.005 %	As Received	1 mL	2017-09-05
	Reagent Chemicals 11th Ed Supp 1 (matrix spike) ⁷	≥ 0.005 %	As Received	1 mL	2017-09-05
788: Iron Meth					
	Reagent Chemicals 11th Ed Supp 1	< 0.2 ppm	As Received	50.28748 g	2017-08-22
	Reagent Chemicals 11th Ed Supp 1 (matrix spike)	≥ 0.2 ppm	As Received	49.75370 g	2017-08-22
Ag : Silver					
	Reagent Chemicals 11th Ed Supp 1 (matrix spike)	96 % Recovery	As Received	50 mL	2017-08-18
As : Arsenic					
	Reagent Chemicals 11th Ed Supp 1 (matrix spike)	94 % Recovery	As Received	50 mL	2017-08-18



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Bi:	Bismuth
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2 2.0						
	Reagent Chemicals 11th Ed Supp 1 (matrix spike)	107 % Recovery	As Received	50 mL	2017-08-18	
c33: Arsenic Color Method I						
	Reagent Chemicals 11th Ed Supp 1 (matrix spike)	≥ 0.01 ppm	As Received	300.031 g	2017-08-15	
	Reagent Chemicals 11th Ed Supp 1	< 0.01 ppm	As Received	300.037 g	2017-08-15	
Cd : Cadmium						
	Reagent Chemicals 11th Ed Supp 1 (matrix spike)	100 % Recovery	As Received	50 mL	2017-08-18	
Cu : Copper						
	Reagent Chemicals 11th Ed Supp 1 (matrix spike)	99 % Recovery	As Received	50 mL	2017-08-18	
Hg : Mercury						
	Reagent Chemicals 11th Ed Supp 1 (matrix spike)	94 % Recovery	As Received	50 mL	2017-08-18	
j35: Hydrochloric Acid						
	Reagent Chemicals 11th Ed Supp 1	36.83 %	As Received	3.36208 g	2017-08-23	
Mo : Molybdenum						
	Reagent Chemicals 11th Ed Supp 1 (matrix spike)	102 % Recovery	As Received	50 mL	2017-08-18	
Pb : Lead						
	Reagent Chemicals 11th Ed Supp 1 (matrix spike)	100 % Recovery	As Received	50 mL	2017-08-18	
Sb : Antimony					<u> </u>	
	Reagent Chemicals 11th Ed Supp 1 (matrix spike)	94 % Recovery	As Received	50 mL	2017-08-18	
Sn : Tin						
	Reagent Chemicals 11th Ed Supp 1 (matrix spike)	93 % Recovery	As Received	50 mL	2017-08-18	

^{1.} Meets the requirements of the sulfite test.

- 2. Meets the requirements of the free chlorine test.
- 3. Meets the requirements of the free chlorine test spike.
- 4. Meets the requirements of the sulfate test.
- 5. Meets the requirements of the sulfate test spike.
- 6. Meets the requirements of the bromide test.
- 7. Meets the requirements of the bromide test spike.

For all samples on this report:

- 8. These analyses were performed in general compliance with the Laboratory sections of Current Good Manufacturing Practices for bulk pharmaceuticals as defined in 21 CFR 210 and 211.
- 9. The matrix spike analysis was performed to satisfy method requirements. There is no additional charge for the matrix spike result.
- 10. Amended Report: This report amends data included in report 100567

Signatures:

 Published By:
 tammy.saylor
 2017-09-08T17:52:12.223-04:00

 Created By:
 michelle.smith
 2017-09-08T17:39:58.437-04:00

 Modified By:
 michelle.smith
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Inspected By: tammy.saylor 2017-09-08T17:52:05.657-04:00

- $_{\rm n}\,$ Physical signatures are on file.
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 n "Inspected By" signature indicates QA review and approval.