

**Eurofins Sample Code:** 464-2018-09240545  
**Sample Description:** 4 PLEX E  
**Client Sample Code:** CPA18032  
**PO Number:** 4500052346  
**Client Code:** QD0001351

**Entry Date:** 09/24/2018  
**Reporting Date:** 09/28/2018

Zinpro Corporation  
 attn: Mark Ihrke  
 PO Box 167  
 Garner, IA 50438

Zinpro Corporation  
 Attn: Matt Ulven  
 PO Box 167  
 Garner, IA 50438

## CERTIFICATE OF ANALYSIS

AR-18-QD-145801-01

Test	Result	Theoretical Level
<b>QD046 - Cobalt by AAS</b>		<b>Completed: 09/27/2018</b>
AOAC 965.17 / 968.08 modified Cobalt	3,990 ppm	
<b>QD058 - Copper by ICP</b>		<b>Completed: 09/27/2018</b>
AOAC 984.27, 927.02, 985.01, 965.17 mod * Copper	20,100 ppm	
<b>QD117 - Manganese by ICP</b>		<b>Completed: 09/27/2018</b>
AOAC 984.27, 927.02, 985.01, 965.17 mod * Manganese	30,010 ppm	
<b>QD06T - Cadmium (Mwd-ICP-MS)</b>		<b>Completed: 09/28/2018</b>
J. AOAC vol. 90 (2007) 844-856 (Mod) * Cadmium (Cd)	0.438 mg/kg	
<b>QD06S - Lead (Mwd-ICP-MS)</b>		<b>Completed: 09/28/2018</b>
J. AOAC vol. 90 (2007) 844-856 (Mod) * Lead (Pb)	1.17 mg/kg	
<b>QD06R - Mercury (Mwd-ICP-MS, Most Matrices)</b>		<b>Completed: 09/27/2018</b>
J. AOAC vol. 90 (2007) 844-856 (Mod) * Mercury (Hg)	<0.010 mg/kg	
<b>QD06Q - Arsenic (Mwd-ICP-MS)</b>		<b>Completed: 09/28/2018</b>
J. AOAC vol. 90 (2007) 844-856 (Mod) * Arsenic (As)	0.374 mg/kg	
<b>QD745 - Zinc - Zinpro</b>		<b>Completed: 09/27/2018</b>
AOAC 984.27, 927.02, 985.01, 965.17 mod * Zinc-ICP Macro	5.26 %	

\*The test result is covered by our current A2LA accreditation.

**Eurofins Sample Code:** 464-2018-09240545**Client Sample Code:** CPA18032Respectfully Submitted,  
Eurofins Scientific Inc.

David Gross

Support Services Manager

Results shown in this report relate solely to the item submitted for analysis.  
All results are reported on an "As Received" basis unless otherwise stated.  
Reports shall not be reproduced except in full without written permission of  
Eurofins Scientific, Inc. Measurement of Uncertainty can be obtained upon request.

Chemical Testing  
Cert:2927:01