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Testing, calibrating, advising

Certificate of Analysis

September 8, 2017


Starplex Scientific Inc
50 A Steinway Blvd
Etobicoke, ON, M9W 6Y3
Canada

Attn: Susan Finn

Exova Job No: 215842
Purchase Order: CREDIT CARD
Project Name: 50 mL Polypropylene Digestion
Tubes
Samples Received: 3
Date Received: 08-25-17

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Michael Shelton
Technical Director


Paul Colvin
Senior Chemist

Verification of Accuracy of Graduation by Gravimetry per Protocol LS110628A1

<u>Sample ID</u>	<u>Specification</u>	<u>Result (mL)</u>	<u>Result (% Error)</u>	<u>Pass/Fail</u>
Lot Number 6M16, 6M16VT502 (1 of 3) 10 mL	NMT ± 0.5% Error	9.96983	0.10	Pass
Lot Number 6M16, 6M16VT502 (1 of 3) 10 mL Duplicate	NMT ± 0.5% Error	9.96417	0.16	Pass
Lot Number 6M16, 6M16VT502 (1 of 3) 10 mL Triplicate	NMT ± 0.5% Error	9.97034	0.10	Pass
Lot Number 6M16, 6M16VT502 (2 of 3) 10 mL	NMT ± 0.5% Error	9.99831	-0.18	Pass
Lot Number 6M16, 6M16VT502 (2 of 3) 10 mL Duplicate	NMT ± 0.5% Error	9.98730	-0.07	Pass
Lot Number 6M16, 6M16VT502 (2 of 3) 10 mL Triplicate	NMT ± 0.5% Error	10.01581	-0.36	Pass
Lot Number 6M16, 6M16VT502 (3 of 3) 10 mL	NMT ± 0.5% Error	9.93585	0.44	Pass
Lot Number 6M16, 6M16VT502 (3 of 3) 10 mL Duplicate	NMT ± 0.5% Error	9.97278	0.07	Pass
Lot Number 6M16, 6M16VT502 (3 of 3) 10 mL Triplicate	NMT ± 0.5% Error	10.02874	-0.49	Pass
RSD:	NMT 0.5%	0.28%		Pass

<u>Sample ID</u>	<u>Specification</u>	<u>Result (mL)</u>	<u>Result (% Error)</u>	<u>Pass/Fail</u>
Lot Number 6M16, 6M16VT502 (1 of 3) 25 mL	NMT ± 0.5% Error	24.92406	0.30	Pass
Lot Number 6M16, 6M16VT502 (1 of 3) 25 mL Duplicate	NMT ± 0.5% Error	24.91961	0.32	Pass
Lot Number 6M16, 6M16VT502 (1 of 3) 25 mL Triplicate	NMT ± 0.5% Error	24.91324	0.35	Pass
Lot Number 6M16, 6M16VT502 (2 of 3) 25 mL	NMT ± 0.5% Error	24.93087	0.28	Pass
Lot Number 6M16, 6M16VT502 (2 of 3) 25 mL Duplicate	NMT ± 0.5% Error	24.97813	0.09	Pass
Lot Number 6M16, 6M16VT502 (2 of 3) 25 mL Triplicate	NMT ± 0.5% Error	24.90020	0.40	Pass
Lot Number 6M16, 6M16VT502 (3 of 3) 25 mL	NMT ± 0.5% Error	24.93418	0.26	Pass
Lot Number 6M16, 6M16VT502 (3 of 3) 25 mL Duplicate	NMT ± 0.5% Error	24.89237	0.43	Pass
Lot Number 6M16, 6M16VT502 (3 of 3) 25 mL Triplicate	NMT ± 0.5% Error	24.92093	0.32	Pass
RSD:	NMT 0.5%	0.10%		Pass

Date Analyzed: 09-06-17

Verification of Accuracy of Graduation by Gravimetry per Protocol LS110628A1

<u>Sample ID</u>	<u>Specification</u>	<u>Result (mL)</u>	<u>Result (% Error)</u>	<u>Pass/Fail</u>
Lot Number 6M16, 6M16VT502 (1 of 3) 50 mL	NMT ± 0.5% Error	49.77468	0.45	Pass
Lot Number 6M16, 6M16VT502 (1 of 3) 50 mL Duplicate	NMT ± 0.5% Error	49.81368	0.37	Pass
Lot Number 6M16, 6M16VT502 (1 of 3) 50 mL Triplicate	NMT ± 0.5% Error	49.80051	0.40	Pass
Lot Number 6M16, 6M16VT502 (2 of 3) 50 mL	NMT ± 0.5% Error	49.79197	0.42	Pass
Lot Number 6M16, 6M16VT502 (2 of 3) 50 mL Duplicate	NMT ± 0.5% Error	49.77332	0.45	Pass
Lot Number 6M16, 6M16VT502 (2 of 3) 50 mL Triplicate	NMT ± 0.5% Error	49.81696	0.37	Pass
Lot Number 6M16, 6M16VT502 (3 of 3) 50 mL	NMT ± 0.5% Error	49.80519	0.39	Pass
Lot Number 6M16, 6M16VT502 (3 of 3) 50 mL Duplicate	NMT ± 0.5% Error	49.80039	0.40	Pass
Lot Number 6M16, 6M16VT502 (3 of 3) 50 mL Triplicate	NMT ± 0.5% Error	49.86393	0.27	Pass
RSD:	NMT 0.5%	0.05%		Pass
Water Temperature Range:	NMT 0.5°C	0.1°C		Pass
Laboratory Temperature Range:	19°C to 24°C	23°C to 24°C		Pass
Laboratory Humidity Range:	30% to 70%	60%		Pass

Date Analyzed: 09-06-17