Client: STARPLEX SCIENTIFIC INC
Job Number: 147631

Verification of Accuracy of Graduation by Gravimetry per Protocol LS110628A1

Sample ID	Specification	Result (mL)	Result (% Error)	Pass/Fail
#1 50 mL	NMT 0.5% Error	50.25573 mL	0.51	Pass
#1 50 mL Duplicate	NMT 0.5% Error	50.21403 mL	0.43	Pass
#1 50 mL Triplicate	NMT 0.5% Error	50.15165 mL	0.30	Pass
#2 50 mL	NMT 0.5% Error	50.20354 mL	0.41	Pass
#2 50 mL Duplicate	NMT 0.5% Error	50.14032 mL	0.28	Pass
#2 50 mL Triplicate	NMT 0.5% Error	50.21416 mL	0.43	Pass
#3 50 mL	NMT 0.5% Error	50.17737 mL	0.35	Pass
#3 50 mL Duplicate	NMT 0.5% Error	50.15435 mL	0.31	Pass
#3 50 mL Triplicate	NMT 0.5% Error	50.18108 mL	0.36	Pass
RSD:	NMT 0.5%	0.07%		Pass
Water Temperature Range:	NMT 0.5°C	0.4°C		Pass
Laboratory Temperature Range:	19°C to 24°C	23.9°C to 23.9°C		Pass
Laboratory Humidity Range:	30% to 70%	30% to 30%		Pass

Date Analyzed: 05-03-13

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Trace Impurities by SOP 7040, Rev 12
Inductively Coupled Plasma - Mass Spectrometry

Sample: #2

Element	µg/Tube	Detection Limit	Element	µg/Tube	Detection Limit
Aluminum	ND	0.05	Molybdenum	ND	0.01
Antimony	ND	0.01	Neodymium	ND	0.01
Arsenic	ND	0.02	Nickel	ND	0.01
Barium	ND	0.01	Niobium	ND	0.01
Beryllium	ND	0.02	Osmium	ND	0.01
Bismuth	ND	0.01	Palladium	ND	0.01
Boron	ND	0.08	Phosphorus	ND	0.7
Bromine	ND	2	Platinum	ND	0.01
Cadmium	ND	0.01	Potassium	ND	5
Calcium	ND	0.4	Praseodymium	ND	0.01
Cerium	ND	0.01	Rhenium	ND	0.01
Cesium	ND	0.01	Rhodium	ND	0.01
Chromium	ND	0.01	Rubidium	ND	0.01
Cobalt	ND	0.01	Ruthenium	ND	0.01
Copper	ND	0.01	Samarium	ND	0.01
Dysprosium	ND	0.01	Selenium	ND	0.1
Erbium	ND	0.01	Silicon	ND	4
Europium	ND	0.01	Silver	ND	0.01
Gadolinium	ND	0.01	Sodium	ND	6
Gallium	ND	0.01	Strontium	ND	0.01
Germanium	ND	0.01	Tantalum	ND	0.01
Gold	ND	0.01	Tellurium	ND	0.01
Hafnium	ND	0.01	Thallium	ND	0.01
Holmium	ND	0.01	Thorium	ND	0.01
Iodine	ND	0.01	Thulium	ND	0.01
Iridium	ND	0.01	Tin	ND	0.02
Iron	ND	0.2	Titanium	ND	0.02
Lanthanum	ND	0.01	Tungsten	ND	0.01
Lead	ND	0.01	Uranium	ND	0.01
Lithium	ND	0.03	Vanadium	ND	0.03
Lutetium	ND	0.03	Ytterbium	ND	0.01
Magnesium	ND	0.2	Yttrium	ND	0.01
Manganese	ND	0.01	Zinc	ND	0.07
Mercury	ND	0.01	Zirconium	ND	0.01

Date Analyzed: 04-26-13
Elements Not Analyzed: All Gases, C, S, Sc, In, Tb