

peCHECK

MAKE YOUR OWN COMPLIANCE SCHEDULE

peCHECK is the latest member of the **SCP SCIENCE** Total Quality Package which includes **PlasmaTEST** ICP-AES Spectrometer Kit, **MAT** Reference Materials, and **PlasmaCAL** calibration standards.

- ◆ Cost effective performance evaluation standards for routine analysis compliance testing
- ◆ Performance evaluation control standards for minerals, nutrients, and solids in water/wastewater



FEATURES & BENEFITS

- Save up to 50% compared to other suppliers
- Allows an increased monitoring schedule
- Wide mouth bottles
- Easy to transfer, easy to use
- Each lot manufactured in large volume
- Long term use of the same control limits
- 3 levels of concentration available for each standard
- Customize standards to your specific laboratory needs
- Prepared in our ISO 9002 certified facility
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- Certified via round-robin study involving over 25 laboratories
- Independent verification removes chance of bias

For more information about **peCHECK** or other **SCP SCIENCE** products, complete the form below and Fax it to (800) 253-5549 (Toll free in North America) or +1 (514) 457-4499 (World wide)

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- peCHECK** for Analysis Control
- PlasmaTEST** for Instrument Control
- EnviroMAT** for Process Control
- PlasmaCAL** Calibration Standards

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NUTRIENTS

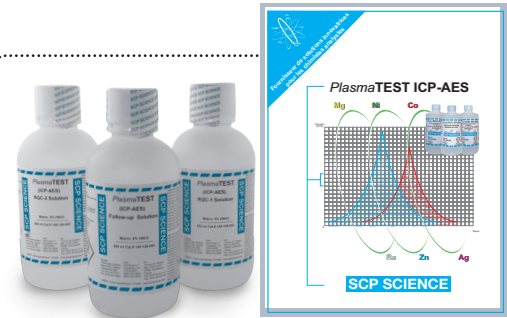
Level 1 Nutrients			
Parameter	Unit	Consensus Value	Confidence Interval
Ammonia (as N)	mg/l	0.97	0.91 - 1.03
Nitrate (as N)	mg/l	1.40	1.34 - 1.45
O-Phosphate (as P)	mg/l	0.74	0.69 - 0.80
Total Kjeldahl Nitrogen	mg/l	1.04	0.93 - 1.16
Total Phosphorus (as P)	mg/l	0.79	0.74 - 0.84
Level 2 Nutrients			
Parameter	Unit	Consensus Value	Confidence Interval
Ammonia (as N)	mg/l	8.76	8.40 - 9.11
Nitrate (as N)	mg/l	13.1	12.6 - 13.5
O-Phosphate (as P)	mg/l	4.49	4.23 - 4.75
Total Kjeldahl Nitrogen	mg/l	20.5	18.8 - 22.2
Total Phosphorus (as P)	mg/l	4.82	4.70 - 4.94
Level 3 Nutrients			
Parameter	Unit	Consensus Value	Confidence Interval
Ammonia (as N)	mg/l	20.5	19.6 - 21.4
Nitrate (as N)	mg/l	17.7	17.6 - 17.9
O-Phosphate (as P)	mg/l	11.9	11.2 - 12.6
Total Kjeldahl Nitrogen	mg/l	28.2	27.5 - 28.8
Total Phosphorus (as P)	mg/l	11.3	11.2 - 11.5

MINERALS

Level 1 Minerals			
Parameter	Unit	Consensus Value	Confidence Interval
Conductivity	µmhos/cm	476	467 - 484
Total Hardness (CaCO ₃)	mg/l	12.3	11.8 - 12.8
Total Dissolved Solids	mg/l	183	176 - 191
Calcium (Ca)	mg/l	2.62	2.55 - 2.69
Potassium (K)	mg/l	15.8	15.5 - 16.1
Magnesium (Mg)	mg/l	1.31	1.27 - 1.34
Sodium (Na)	mg/l	31.4	30.5 - 32.2
Chloride (Cl)	mg/l	20.3	19.8 - 20.8
Fluoride (F)	mg/l	0.597	0.573 - 0.620
Sulfate (SO ₄)	mg/l	8.37	7.75 - 9.00
Level 2 Minerals			
Parameter	Unit	Consensus Value	Confidence Interval
Conductivity	µmhos/cm	3333	3225 - 3441
Total Hardness (CaCO ₃)	mg/l	226	215 - 236
Total Dissolved Solids	mg/l	1335	1191 - 1479
Calcium (Ca)	mg/l	63.9	61.8 - 65.9
Potassium (K)	mg/l	168	162 - 174
Magnesium (Mg)	mg/l	16.4	15.9 - 17.0
Sodium (Na)	mg/l	99.6	95.5 - 103.7
Chloride (Cl)	mg/l	105	102 - 107
Fluoride (F)	mg/l	3.85	3.33 - 4.37
Sulfate (SO ₄)	mg/l	164	155 - 174
Level 3 Minerals			
Parameter	Unit	Consensus Value	Confidence Interval
Conductivity	µmhos/cm	6022	5758-6285
Total Hardness (CaCO ₃)	mg/l	515	505-525
Total Dissolved Solids	mg/l	3218	3153-3283
Calcium (Ca)	mg/l	132	129-134
Potassium (K)	mg/l	479	468-491
Magnesium (Mg)	mg/l	45.0	43.1-46.9
Sodium (Na)	mg/l	382	369-395
Chloride (Cl)	mg/l	463	441-485
Fluoride (F)	mg/l	12.1	10.7-13.5
Sulfate (SO ₄)	mg/l	395	374-417

SOLIDS

Level 1 Solids			
Parameter	Unit	Consensus Value	Confidence Interval
Suspended Solids	mg/l	238	235 - 242
Dissolved Solids	mg/l	33.0	18.7 - 47.3
Total Solids	mg/l	254	242 - 267
Level 2 Solids			
Parameter	Unit	Consensus Value	Confidence Interval
Suspended Solids	mg/l	321	310 - 331
Dissolved Solids	mg/l	10.6	6.38 - 14.9
Total Solids	mg/l	328	314 - 342
Level 3 Solids			
Parameter	Unit	Consensus Value	Confidence Interval
Suspended Solids	mg/l	1928	1895 - 1961
Dissolved Solids	mg/l	46.0	25.3 - 66.8
Total Solids	mg/l	1970	1942 - 1999



PlasmaTEST ICP-AES

The only product to provide multi-level quality control checks specifically for ICP-AES instruments

Monitor & log 7 important instrument performance parameters

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