

# Log-in Checklist

RQ- **2019-01-28-34**

Login Station ID: **# 3**

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: **02/01/2019 / 10:15**

| Cooler Temperature* | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |          |          |    | Tracking # (fill out only if waybill copy is damaged) |
|---------------------|----------------------------------------|----------|---------------------------------------|---------------|----------|----------|----|-------------------------------------------------------|
|                     | HNO <sub>3</sub>                       | Formalin |                                       | Present?      |          | *Intact? |    |                                                       |
|                     |                                        |          |                                       | Yes           | No       | Yes      | No |                                                       |
| <b>1.4C</b>         |                                        |          | <b>16</b>                             |               | <b>X</b> |          |    |                                                       |
|                     |                                        |          |                                       |               |          |          |    |                                                       |
|                     |                                        |          |                                       |               |          |          |    |                                                       |
|                     |                                        |          |                                       |               |          |          |    |                                                       |
|                     |                                        |          |                                       |               |          |          |    |                                                       |
|                     |                                        |          |                                       |               |          |          |    |                                                       |
|                     |                                        |          |                                       |               |          |          |    |                                                       |

\* HNO<sub>3</sub> and Formalin persevered samples do **NOT** have a temperature requirement. For all others, if the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged. Identify the containers in the affected cooler(s) on back of this form.

**\*\*Note:** If "No" is checked below, fill out the back of this form (Field ID, Test IDs, etc.) and generate an NCR.

**\*\*Chain of Custody/ Field Sheet(s) Included?** Yes **X** No       

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes **X** No **X** Date **02/01/2019**

## CONTAINER CHECK

**\*\*Evidence Tape on Bottles?** Yes        No **X** If yes, is it intact? Yes        No         
**\*\*Caps on tight?** Yes **X** No        **\*\*Containers intact?** Yes        No         
**\*\*Sufficient Sample Volume:** Yes **X** No       

**CHLORINE CHECK REQUIRED? (Blue dot on container)** Yes        No **X** Init: **ABS**

| Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required. |     |    |            |     |    |
|------------------------------------------------------------------------------------------------------|-----|----|------------|-----|----|
| Analysis                                                                                             | Yes | No | Analysis   | Yes | No |
| W-1,4 DIOX                                                                                           |     |    | W-PC-AA-SF |     |    |
| W-E8321-DI, -MS, -21                                                                                 |     |    | W-NP-AA-SF |     |    |
| W-BNA (-625, -R)                                                                                     |     |    | W-PDQUAT   |     |    |
| W-CARB-AA (-CAB-AA-R)                                                                                |     |    | W-PCL-SQ-R |     |    |
| W-U2060-MS                                                                                           |     |    | W-TR-TQ    |     |    |
| W-PCB-R                                                                                              |     |    | W-CT-CI-R  |     |    |
| W-PAH (-R)                                                                                           |     |    | W-PSNP-TQ  |     |    |
| W-PFAS-MS                                                                                            |     |    |            |     |    |

## PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

**\*\*Acid Preserved Samples:** pH ≤ 2.0? Yes **X** No        NA        Init: **ABS**

**\*\*W-1-4-DIOX (Green dot on container) preserved to pH < 4.0?** Yes        No        NA **X** Init: **ABS**

Coolers Unpacked/Checked by: **ABS** Date: **02/01/2019** NCRs (Y/N)?       

Event ID: **SO-DIST-2019-02-01-01** NCR #

## Log-in Checklist

### Samples with Incorrect pH Preservation or presence of Chlorine

| Field ID | Bottle Test ID(s) | pH / Cl | Action Taken |
|----------|-------------------|---------|--------------|
|          |                   |         |              |
|          |                   |         |              |
|          |                   |         |              |
|          |                   |         |              |

### Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

| Cooler ID | Field ID | Bottle Test ID(s) |
|-----------|----------|-------------------|
|           |          |                   |
|           |          |                   |
|           |          |                   |
|           |          |                   |

### Bottles Not Intact

| Field ID | Bottle Test ID(s) | Loose Cap | Damaged Cap |    | Damaged Container |    | Evidence Tape Not Intact |
|----------|-------------------|-----------|-------------|----|-------------------|----|--------------------------|
|          |                   |           | CK          | BR | CK                | BR |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |

### Samples with Insufficient Volume for Analyses

| Field ID | Bottle Test ID(s) | Action Taken |
|----------|-------------------|--------------|
|          |                   |              |
|          |                   |              |
|          |                   |              |
|          |                   |              |

### Additional Comments:

|                            |                       |
|----------------------------|-----------------------|
| Infrared Thermometer ID:   | REC_03_2018           |
| pH Paper 0.0 – 3.0 Lot #   |                       |
| pH Paper 0 – 13 Lot #      | 215517 EXP:08/01/2020 |
| Chlorine Test Strips Lot # | 7226 EXP:2020/07      |

### ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes \_\_\_\_\_ No X

Date and time placed in freezer \_\_\_\_\_

Were all samples placed in freezer within 48 hours of collection? Yes \_\_\_\_\_ If No \_\_\_\_\_

no, were samples shipped on dry ice? Yes \_\_\_\_\_ No \_\_\_\_\_

### FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check(W-HG-AF;W-HG-AF-F):

Samples preserved within 48 hours? Yes \_\_\_\_\_ No \_\_\_\_\_

Date and time samples preserved: \_\_\_\_\_

SMP - Hernado/Citrus Run

## Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: SO-DIST

Requester: Benjamin Paswater

Field Report Prepared By: S Meyer

Project ID: SMP

Collected By: B Paswater + S Meyer

Sampling Agency: FDEP SW ROC

|                          |                                   |                                          |                                 |                  |                                                                            |                               |
|--------------------------|-----------------------------------|------------------------------------------|---------------------------------|------------------|----------------------------------------------------------------------------|-------------------------------|
| Location                 |                                   | <input type="checkbox"/> Comp            | Collection (comp begin or grab) | Eastern          | Composite end                                                              | Bottle Group(s)<br>(See pg 2) |
| Field ID/WIN<br>G4SW0025 |                                   | <input type="checkbox"/> Grab            | Date 1/31/19 Time 1410          | Central          | Date Time                                                                  |                               |
| Field ID                 | WIN                               | Matrix (type, e.g., Salt, Fresh, etc)    |                                 | Diss. Oxygen     | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine (mg/L)    |
| WIN/S                    | Site Name: Irvin Lake Center      | Temp (C) 13.15                           | pH 6.01                         | Sample Depth 0.3 | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance (umho/cm) 115 |
| Latitude                 | Salinity (ppt)                    | Comments                                 |                                 |                  |                                                                            |                               |
| Location                 |                                   | <input type="checkbox"/> Comp            | Collection (comp begin or grab) | Eastern          | Composite end                                                              | Bottle Group(s)               |
| Field ID/WIN<br>G4SW0100 |                                   | <input checked="" type="checkbox"/> Grab | Date 1/31/2019 Time 1055        | Central          | Date Time                                                                  |                               |
| Field ID                 | WIN/S                             | Matrix (type, e.g., Salt, Fresh, etc)    |                                 | Diss. Oxygen     | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine (mg/L)    |
| WIN/S                    | Site Name: Blue Springs Run       | Temp (C) 21.35                           | pH 6.50                         | Sample Depth 0.3 | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance (umho/cm) 354 |
| Latitude                 | Salinity (ppt)                    | Comments                                 |                                 |                  |                                                                            |                               |
| Location                 |                                   | <input type="checkbox"/> Comp            | Collection (comp begin or grab) | Eastern          | Composite end                                                              | Bottle Group(s)               |
| Field ID/WIN<br>G4SW0102 |                                   | <input checked="" type="checkbox"/> Grab | Date 1/31/2019 Time 1205        | Central          | Date Time                                                                  |                               |
| Field ID                 | WIN/S                             | Matrix (type, e.g., Salt, Fresh, etc)    |                                 | Diss. Oxygen     | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine (mg/L)    |
| WIN/S                    | Site Name: Cato Lake South        | Temp (C) 12.00                           | pH 6.35                         | Sample Depth 0.3 | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance (umho/cm) 350 |
| Latitude                 | Salinity (ppt)                    | Comments                                 |                                 |                  |                                                                            |                               |
| Location                 |                                   | <input type="checkbox"/> Comp            | Collection (comp begin or grab) | Eastern          | Composite end                                                              | Bottle Group(s)               |
| Field ID/WIN<br>G4SW0021 |                                   | <input checked="" type="checkbox"/> Grab | Date 1/31/2019 Time 1310        | Central          | Date Time                                                                  |                               |
| Field ID                 | WIN/S                             | Matrix (type, e.g., Salt, Fresh, etc)    |                                 | Diss. Oxygen     | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine (mg/L)    |
| WIN/S                    | Site Name: Mckethan Lake @ Center | Temp (C) 13.64                           | pH 5.37                         | Sample Depth 0.3 | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance (umho/cm) 31  |
| Latitude                 | Salinity (ppt)                    | Comments                                 |                                 |                  |                                                                            |                               |

|                              |                             |                       |                              |                  |                        |
|------------------------------|-----------------------------|-----------------------|------------------------------|------------------|------------------------|
| Relinquished By: Sarah Meyer | Date/Time 1700<br>1/31/2019 | Shipping Method FedEx | Number of Coolers Shipped: 1 | Received By: ABP | Date/Time 2-14-19/1015 |
|------------------------------|-----------------------------|-----------------------|------------------------------|------------------|------------------------|

|            |              |                |                 |               |               |                                     |
|------------|--------------|----------------|-----------------|---------------|---------------|-------------------------------------|
| Group: A   | Bottle Type: | P-1L           | # of Bottles: 4 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab |
| ALKALINITY |              |                |                 |               |               |                                     |
| TURBIDITY  |              |                |                 |               |               |                                     |
| W-GL-JC    |              |                |                 |               |               |                                     |
| W-COLOR    |              |                |                 |               |               |                                     |
| W-F        |              |                |                 |               |               |                                     |
| W-TDS      |              |                |                 |               |               |                                     |
| W-TSS      |              |                |                 |               |               |                                     |
| Group: A   | Bottle Type: | BP-1L          | # of Bottles: 4 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab |
| CHLSUITE-W |              |                |                 |               |               |                                     |
| Group: A   | Bottle Type: | P-500ML        | # of Bottles: 4 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab |
| W-ICP      |              |                |                 |               |               |                                     |
| W-ICPMS    |              |                |                 |               |               |                                     |
| Group: A   | Bottle Type: | P-500ML        | # of Bottles: 4 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab |
| W-NH3      |              |                |                 |               |               |                                     |
| W-NO2NO3   |              |                |                 |               |               |                                     |
| W-TKN      |              |                |                 |               |               |                                     |
| W-TOC      |              |                |                 |               |               |                                     |
| Group: A   | Bottle Type: | P-125ML        | # of Bottles: 4 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab |
| W-PO4-F    |              |                |                 |               |               |                                     |
| Group: B   | Bottle Type: | P-250ML-WI-THI | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab |
| SWD-AEL-EC |              |                |                 |               |               |                                     |

## Central Laboratory Submittal Form

SMP - Hermado/Citrus Run

Request Number: RQ-2019-01-28-34

Customer: SO-DIST

Project ID: SMP

Collected By:

Requester: Benjamin Paswater

Field Report Prepared By:

Sampling Agency:

| Location                                                                                                                                                                    |                    | Field ID |         | WIN/STORET # |                            | Latitude            |    | Longitude    |    | dd |    | dms |    | Salinity (ppt) |          | Comments                              |              |                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------|---------|--------------|----------------------------|---------------------|----|--------------|----|----|----|-----|----|----------------|----------|---------------------------------------|--------------|---------------------------|
| Bottle Group(s)                                                                                                                                                             | Composite end Time | Eastern  | Central | Date         | Total Res. Chlorine (mg/L) | Diss. Oxygen (mg/L) | pH | Sample Depth | ft | m  | dd | dms | dd | dms            | Temp (C) | Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen | Sp. Conductance (umho/cm) |
|                                                                                                                                                                             |                    |          |         |              |                            |                     |    |              |    |    |    |     |    |                |          |                                       |              |                           |
| <div> <div>Relinquished By:</div> <div>Date/Time</div> <div>Shipping Method</div> <div>Number of Coolers Shipped:</div> <div>Received By:</div> <div>Date/Time</div> </div> |                    |          |         |              |                            |                     |    |              |    |    |    |     |    |                |          |                                       |              |                           |

|                                                                        |              |                |                 |               |               |                                     |          |
|------------------------------------------------------------------------|--------------|----------------|-----------------|---------------|---------------|-------------------------------------|----------|
| Group: A                                                               | Bottle Type: | P-1L           | # of Bottles: 4 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 4        |
| ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-TDS<br>W-TSS |              |                |                 |               |               |                                     |          |
| Group: A                                                               | Bottle Type: | BP-1L          | # of Bottles: 4 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 4        |
| CHLSUITE-W<br><del>W-ICP</del><br><del>W-ICPMS</del>                   |              |                |                 |               |               |                                     |          |
| Group: A                                                               | Bottle Type: | P-500ML        | # of Bottles: 4 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab | 0        |
| Group: A                                                               | Bottle Type: | P-500ML        | # of Bottles: 4 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 4        |
| W-NH3<br>W-NO2NO3<br>W-TKN<br>W-TOC                                    |              |                |                 |               |               |                                     |          |
| Group: A                                                               | Bottle Type: | P-125ML        | # of Bottles: 4 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab | 4        |
| W-PO4-F                                                                |              |                |                 |               |               |                                     |          |
| Group: B                                                               | Bottle Type: | P-250ML-WI-THI | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 to AEL |
| SWD-AEL-EC                                                             |              |                |                 |               |               |                                     |          |

H2SO4  
LOT# SA8274050  
EXP: 10/31/2019

W-S-A-TP #4 sent  
W-S04-IC #4 sent



|                          |                                   |                                                            |                          |
|--------------------------|-----------------------------------|------------------------------------------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/>          | <input type="checkbox"/>                                   | <input type="checkbox"/> |
| <b>Gainesville:</b>      | 4865 SW 41st Blvd.                | • Gainesville, FL 32608 • 352.377.2349 • Fax 352.366.8839  |                          |
| <b>Jacksonville:</b>     | 6681 Southpoint Pkwy.             | • Jacksonville, FL 32216 • 904.363.9350 • Fax 904.363.9354 |                          |
| <b>Tallahassee:</b>      | 2839 North Monroe Street, Suite D | • Tallahassee, FL 32303 • 850.219.6274 • Fax 850.219.6275  |                          |
| <b>Tampa:</b>            | 9610 Princess Palm Ave.           | • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327        |                          |

[illegible]

Date of Request: 09-JAN-2019  
 Created By: PASWATER\_B On: 09-JAN-2019  
 Modified By: JASROTIA\_P On: 14-JAN-2019  
 Customer: SO-DIST  
 Project: SMP  
 Division:  
 District: South District  
 Sampling Event: SMP - Hernado/Citrus Run

**Send Coolers To:**

Phone: 813-470-5767  
 FLDEP Southwest District Office  
 13051 N. Telecom Parkway  
 Temple Terrace, FL 33637  
 Attn: Ben Paswater

**Program Module Number:**

Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 10-JAN-2019  
 Biology Request Reviewed By: JASROTIA\_P On: 14-JAN-2019  
 Sampling Kit Required: YES Ship on: 17-JAN-2019  
 Sampling Kit Shipped: YES On: 15-JAN-2019  
 Sampling Kit Packed By: KLUG\_K  
 Preservatives Needed: NO  
 Date to Receive Samples: 28-JAN-2019  
 Received By: SHAIK\_A On: 01-FEB-2019

**Send Final Report To:**

FLDEP Southwest District Office  
 13051 N. Telecom Parkway  
 Temple Terrace, FL 33637  
 Attn: Ben Paswater

Report Type: Final Only  
 FTP Data: NO  
 QC Report: YES  
 Date Log: NO  
 Authorization Log: NO

Comments: SMP - Hernado/Citrus Run

**Bottle Group A (Water) With 4 Samples:**

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L    | Number of Bottles: 4 | Preserved With: ICE                                                                                                                            |
| ALKALINITY           | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO <sub>3</sub> /L                                                                       |
| TURBIDITY            | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                                             |
| W-CL-IC              | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                                              |
| W-COLOR              | Template: DEFAULT    | (SM 2120 B) True Color measured at 450 nm                                                                                                      |
| Color (true)         |                      |                                                                                                                                                |
| W-F                  | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                           |
| W-TDS                | Template: DEFAULT    | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                                                      |
| W-TSS                | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                                  |
| Bottle Type: BP-1L   | Number of Bottles: 4 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W           | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                   |
| Bottle Type: P-500ML | Number of Bottles: 4 | Preserved With: HNO <sub>3</sub>                                                                                                               |
| W-ICP                | Template: S-METALS   | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Iron                 |                      |                                                                                                                                                |
| Manganese            |                      |                                                                                                                                                |
| Zinc                 |                      |                                                                                                                                                |
| W-ICPMS              | Template:            | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| Aluminum             |                      |                                                                                                                                                |
| Antimony             |                      |                                                                                                                                                |
| Arsenic              |                      |                                                                                                                                                |
| Cadmium              |                      |                                                                                                                                                |
| Chromium             |                      |                                                                                                                                                |
| Copper               |                      |                                                                                                                                                |
| Lead                 |                      |                                                                                                                                                |
| Nickel               |                      |                                                                                                                                                |

**Bottle Group A (Water) With 4 Samples:**

Bottle Type: P-500ML      Number of Bottles: 4      Preserved With: HNO3  
W-ICPMS      Template:      (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Selenium  
Silver  
Thallium

Bottle Type: P-500ML      Number of Bottles: 4      Preserved With: ICE And H2SO4  
W-NH3      Template: DEFAULT      (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L  
W-NO2NO3      Template: DEFAULT      (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L  
W-TKN      Template: DEFAULT      (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices  
W-TOC      Template: DEFAULT      (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices

Bottle Type: P-125ML      Number of Bottles: 4      Preserved With: FILTER-ICE  
W-PO4-F      Template: DEFAULT      (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

**Bottle Group B (Water) With 1 Samples:**

Bottle Type: P-250ML-WI-THI      Number of Bottles: 1      Preserved With: ICE  
SWD-AEL-EC      Template: DEFAULT      (EPA 1603) Escherichia coli by membrane filter Advanced Environmental Laboratory in Tampa

\* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.

FLD 5211412 31JAN19 MCTA 553C2/0E3D/0C0A



36 TLHA

32399  
FL-US  
TLH

TRK# 4751 8776 0557

FedEx

TRK# 4751 8776 0557

0221

856

10:30

02:01

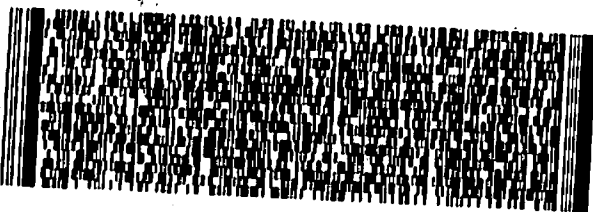
B

PRIME

RETURNS MAIL



FedEx Express



RMH: 011 1111 00

TALLAHASSEE FL 32399

TO JOHN WATTS  
FLORIDA DEP/CHEMISTRY SECTION  
2600 BLAIRSTONE RD

ORIGIN ID: TLHA (813) 470-5722  
BEN PASWATER  
FL DEP SOUTHWEST DISTRICT  
13051 N TELECOM PKWY  
TEMPLE TERRACE, FL 336370926  
UNITED STATES US

SHIP DATE: 24JAN19  
ACTWGT: 10.00 LB MAX  
CAD: 0446970/CFFE3211