

# Environmental Express

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## Universal Solids Standard Data Sheet

The balance calibration is traceable to NIST through NIST Test Number 822/260017-98.  
The calibration check weights are traceable to NIST through Test Number SC020813-1M.

Certified By: \_\_\_\_\_

*Kathy B. Daniels*

Expiration Date: 7/8/2011

### A. Basic Use

1. Add 1 to 2 ml of methanol or acetone (to cut static charge) to the vial and shake.
2. Add 5 to 10 ml of DI water to the vial.  
Recap and shake four or five times.
3. Pour the solution into the appropriate vessel.
4. Repeat steps 2 and 3 until the vial has been rinsed three separate times. This will insure a quantitative transfer.
5. Bring the standard solution to volume. Use a final volume similar to common sample size.
6. Perform appropriate solids analyses following laboratory SOP.
7. Acceptable result = Nominal Wt. +/- Range Wt.  
Note: The Nominal will result in mg/L when sample size is one liter. Dilutions > or < one liter will result in calculably appropriate results.

### B. Nominal Weight

Nominal Weight = Actual Weight X Average  
Recovery of statistical data.

### C. Range

Range = 3 X Standard Deviation

### D. ID#

Each bottle of standard has a unique ID# and corresponding unique solids values. This discreet ID# and solids values are retained on file.

Standard Set # 8395 - 1

### MATERIAL SAFETY DATA SHEET

#### SECTION I: PRODUCT IDENTIFICATION

Catalog Number: F95005UH  
Name: Universal Solids Standard  
Synonyms: None  
Chemical Family: Standard  
Formula: Not Applicable  
Molecular Weight: Not Applicable

#### SECTION II: HAZARDOUS INGREDIENTS

This product does not contain any hazardous components

#### SECTION III: HAZARDS IDENTIFICATION

Fine powder may cause eye irritation.

#### SECTION IV: FIRST AID MEASURES

Flush eyes with water for 15 minutes.

#### SECTION V: FIRE FIGHTING MEASURES

Use water spray, dry chemical, foam, or CO<sub>2</sub>

#### SECTION VI: ACCIDENTAL RELEASE MEASURES

Wipe up with a damp cloth.

#### SECTION VII: HANDLING AND STORAGE

Wear gloves and eye protection when handling.  
Store in a cool dry place.

#### SECTION VIII: STABILITY AND REACTIVITY

This product is stable. Will produce CO<sub>2</sub> during combustion.

#### SECTION IX: SPECIAL PRECAUTIONS

This material should be used by personnel trained in good laboratory practices.

ID Number	TSS, mg		VSS, mg		TDS, mg		TS, mg		VS, mg	
	Nominal	Range	Nominal	Range	Nominal	Range	Nominal	Range	Nominal	Range
3164010- USS-1	880.9	72.2	639.1	72.2	605.1	33.5	1461.8	54.3	737.0	65.5