



Terra Systems Core Competencies Quality Control Lab on the Manufacturing Floor

Terra Systems owns and operates its manufacturing plant in Claymont, Delaware, which has a quality control lab on the shop floor.

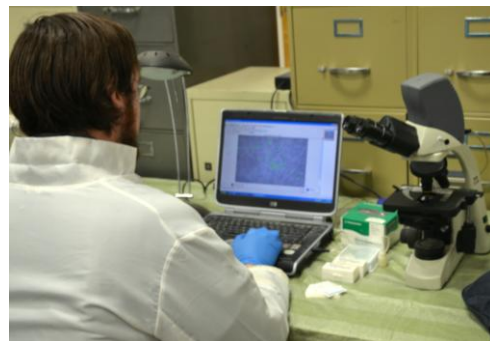
Our fulltime manufacturing team is a key differentiator between Terra Systems and other U.S. suppliers and provides the following customer benefits:

1. Product quality is one of key factors in our individual quarterly bonus program.
2. The manufacturing engineer and the production supervisor are responsible for maintaining accurate logs for each batch produced and both are required to sign off on the QA/QC Sheet for every batch.
3. The manufacturing engineer is responsible for sampling each batch and providing the sample to the QA/QC lab for droplet size analysis and pH determination.

Once a batch is complete but before it is transferred to bulk tankers, 275-gallon totes, 55-gallon drums or 5-gallon buckets for shipment to the customer a sample is pulled by the manufacturing engineer for analysis.



A Digital Microscope is shown connected to a Computer with proprietary Droplet Size Calculation Software.



Below is an example of the Manufacturing Quality Control Checklist Signed by the Manufacturing Engineer and Checked by the Manufacturing Supervisor, which includes:

- The date of manufacture
- The date of shipment
- The pH
- The batch#'s for the ingredients
- The mean droplet size.

I. Product Information

Parameter	Value
Customer or Site	Young-Rainey STAR Center, Largo, Florida
Product manufactured	60% SRS®-SD
Date manufactured	November 4th, 2019
Lot#	A27O1
Customer packaging	275 Gallon IBC Totes
Date shipped	November 8th, 2019

II. Ingredients Information

Ingredient	Lot#	Manufacturing Engineer
Soy Bean Oil	11182014	Erich Hauptmann
60% Sodium Lactate	M-1406-018	Erich Hauptmann
Emulsifiers	G270059 885648	Erich Hauptmann
Nutrients	CYE06060960	Erich Hauptmann
Vitamin B12	11765655	Erich Hauptmann
Water	-	Erich Hauptmann

III. Physical Parameters

Parameter	Value
Mean Droplet Size (µm)	0.61
pH	7.2

Manufacturing Engineer
11/7/2019

Production Supervisor
11/8/2019

To discuss your remediation site call or email Michael Free at mfree@terrasystems.net or 484-889-2214.