

United States Department of Agriculture  
Animal and Plant Health Inspection Service  
4700 River Road  
Riverdale, MD 20737

**Permit to Receive Soil  
Regulated by 7 CFR 330**

**This permit was generated electronically via the ePermits system.**

<b>PERMITTEE NAME:</b>	Mr. Daniel Benjamin Kocher	<b>PERMIT NUMBER:</b>	P330-16-00362
<b>COMPANY:</b>	EMSL Analytical, Inc.	<b>APPLICATION NUMBER:</b>	P525-161107-003
<b>RECEIVING ADDRESS:</b>	464 McCormick Street San Leandro, CA 94577	<b>DATE ISSUED:</b>	11/15/2016
<b>MAILING ADDRESS:</b>	464 McCormick Street San Leandro, CA 94577		
<b>PHONE:</b>	(800) 220-3675 Ext. 7009	<b>EXPIRES:</b>	<b>11/15/2019</b>
<b>FAX:</b>	(510) 895-3675		

**PORTS OF ARRIVAL/PLANT INSPECTION STATIONS:** AZ, Nogales; CA, El Segundo; CA, San Francisco; FL, Miami (Cargo, DHL, Fed Ex, UPS, etc ); FL, Orlando; GU, Agana; MD, Beltsville; NJ, Linden; NY, Jamaica; NY, Jamaica; PR, Carolina; TX, Los Indios; WA, SeaTac  
**HAND CARRY:** No

Under the conditions specified, this permit authorizes the following:  
**Quantity of Soil per Shipment and Treatment**  
3 lbs or less: Prefer Dry Heat Sterilization - Soil MUST be sterilized at a Plant Inspection Station before released to you

**SPECIAL INSTRUCTIONS TO INSPECTORS**  
See permit conditions below


**INSTRUCTIONS TO DHS CBP INSPECTORS FOR IMPORTED SOIL SHIPMENTS ROUTED TO A USDA APHIS PLANT INSPECTION STATION:**

1. Validate the permit in ePermits using the CBP search feature by logging on to:  
<https://epermits.aphis.usda.gov/epermits>
2. Confirm that the imported shipment has a valid USDA PPQ Form 508 Green/Yellow label attached to the exterior for routing to a USDA APHIS PPQ Inspection Station. (A valid label will have the permit number, expiration date, label number, and address of a USDA APHIS PPQ Plant Inspection Station)
3. Confirm that the carrier of the shipment imported under this USDA PPQ permit is commercially bonded.
4. If a valid PPQ Form 508 Green/Yellow label is not attached to the exterior of the package or the label has been covered or is otherwise not legible, then forward to the nearest USDA APHIS PPQ Plant Inspection Station.
5. If the address on the airway bill does not match the address on the PPQ Form 508 Green/Yellow label then forward the package to the nearest USDA APHIS PPQ Plant Inspection Station. (All costs associated with rerouting misaddressed packages will be assumed by the permit holder.)
6. For questions or concerns, contact the USDA APHIS PPQ Permit Unit in Riverdale, MD, at (866) 5245421 and ask to speak with a compliance officer.

**INSTRUCTIONS TO USDA PPQ INSPECTORS AT PLANT INSPECTION STATIONS FOR IMPORTED SOIL TO BE TREATED:**

If any of the following are not met, do not clear the shipment. Contact the headquarters Permit Unit at (866)

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WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

5245421 and ask to speak with a compliance officer to determine subsequent action.

1. Confirm that the package contents are listed on the permit.
  2. Confirm that the shipment has the original PPQ Form 508 Green/Yellow label with the permit number and label number visible on the exterior of the package.
  3. If the PPQ Form 508 Green/Yellow label is absent (the label may have become detached during shipping) altered or otherwise illegible, then proceed to step 14 below.
  4. Confirm that the PPQ Form 508 Green/Yellow label is addressed to your Plant Inspection Station Address.
  5. Confirm that the delivery address on the package matches the address on the PPQ Form 508 Green/Yellow label.
  6. Confirm that the permit number on PPQ Form 508 Green/Yellow label matches the actual permit number.
  7. If the PPQ Form 508 Green/Yellow label has a barcode, scan the barcode, or enter the permit number and label number into ePermits and log the required shipment information. If the PPQ Form 508 Green/Yellow label does not have a barcode, validate the permit using the ePermit search feature. <https://epermits.aphis.usda.gov/epermits>
  8. Confirm that the permit has not expired.
  9. Confirm that the final destination of the package is to the same individual and address that appears on the permit.
  10. Confirm that the origin of the shipment is authorized on the permit.
  11. Use a biosafety cabinet to inspect shipments of soil and prepare for treatment.
  12. Treat the soil according to the conditions specified in the permit.
  12. Re-package soil and confirm that the package is adequate to contain the contents.
  13. If all permit conditions are met, release the package for subsequent movement to the permit holder's address.
14. Do not open the package outside of a biosafety cabinet.
- If your facility does not have a biosafety cabinet and the package is secure, re-export the package.
  - If your facility does not have a biosafety cabinet and the package is not secure, destroy the package.
  - If your facility has a biosafety cabinet, examine the contents for a PPQ permit or enclosed supplemental label information.
  - If the package contains a PPQ permit or supplemental label information, proceed to step 7 above. (Supplemental label information includes the permit holders name, permit number and label number. This information enables you to use the ePermit barcoding feature if the missing label was barcoded, or validate the permit in ePermits using the search feature if the label was not barcoded.)
  - If the package does not contain a PPQ permit or supplemental label information and the package is secure, re-export the shipment.
  - If the package does not contain a PPQ permit or supplemental label information and the package is not secure, destroy the shipment.

Approved Sterilization Methods:  
Dry-heat, incineration, hydroclave, and autoclaved.

DRY HEAT Treatment: use one of the following schedules:

- 110- 120.5 degrees C (230-249 F) for 16 hours
- 121-154 degrees C (250-309 F) for 2 hours
- 154.4 - 192.5 degrees C (310-379 F) for 30 minutes
- 193-220 degrees C (380-429 F) for 4 minutes
- 221-232 degrees C (430-450) for 2 minutes

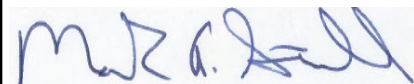
AUTOCLAVE soil and other material using the following conditions:

- a. Soil must be autoclaved at 121 degrees Centigrade (250 degrees Fahrenheit) for a minimum of 30 minutes at 15 psi.

**PERMIT GUIDANCE**

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Receipt or use of foreign isolates or samples from countries under sanctions requires specific permission from the U.S. Department of Treasury (see <http://www.treasury.gov/resource-center/sanctions/Programs/Pages/Programs.aspx>. for current country/regional listings) for current country listings.

This permit does not authorize importation, interstate movement, possession, and/or use of strains of genetically engineered regulated organisms (created by the use of recombinant DNA technology).

If an animal pathogen is identified in your shipment, to ensure appropriate safeguarding, please refer to [http://www.aphis.usda.gov/import\\_export/animals/animal\\_import/animal\\_imports\\_anproducts.sh](http://www.aphis.usda.gov/import_export/animals/animal_import/animal_imports_anproducts.sh) tml.

If a human pathogen is identified, please see the CDC Etiologic Agent Import Permit Program at <http://www.cdc.gov/od/eaipp/>

This permit does not fulfill the requirements of other federal or state regulatory authorities. As appropriate, please contact the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the U.S. Food and Drug Administration, the Centers for Disease Control and Prevention, the APHIS Veterinary Services unit, or your State's Department of Agriculture to ensure proper permitting.

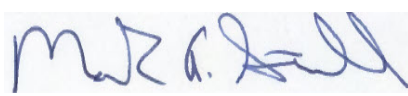
If you are considering renewal of this permit, an application should be submitted at least 90 days prior to the expiration date of this permit to ensure continued coverage. Permits requiring containment facilities may take a longer period of time to process.

#### PERMIT CONDITIONS

This permit authorizes the importation of soil from all foreign sources, HI, PR and all U.S. territories (except countries with sanctions or embargoes by U.S. State Department) for use in chemical/physical or other analysis only after treatment at a PPQ Plant Inspection Station.

1. This permit is issued only for the named permit holder at the address(s) identified on this permit. This permit cannot be transferred or assigned.
2. The permit holder verifies United States residency by initialing and accepting these permit conditions. If you are not a United States resident, it is unlawful for you to initial or accept these permit conditions because a USDA 525 soil Permit can only be issued to United States residents.
3. The permit holder is solely responsible for ensuring compliance with all statutory requirements and specifically listed permit conditions. Failure to comply with the terms and conditions of this permit is cause for the following: (a) cancellation of this permit, (b) cancellation of other permits issued to the permit holder, (c) seizure and/or destruction of regulated organisms, (d) denial of future permit applications by this permit holder, (e) liability for civil penalties, and (f) criminal prosecution under provisions in the Plant Protection Act.
4. Any alteration, forgery, unauthorized use of this permit and/or associated Federal Forms are subject to civil and criminal penalties including fines and imprisonment.
5. This permit must not be used for the movement or use of plant pathogens listed in the Public Health Security and Bioterrorism Preparedness and Response Act of 2002. If any organism listed as a Select Agent is identified from materials associated with this research, the permit holder is required to notify APHIS, Agricultural Select Agent Program (ASAP) within one business day by phone at 301-851-3300, and within seven (7) days submit APHIS/CDC Form 4 (Report of Identification of a Select Agent or Toxin in a Clinical or Diagnostic Laboratory) to APHIS, ASAP; 4700 River Rd, Unit 2, Riverdale, MD 20737 (see instructions at: [http://www.aphis.usda.gov/programs/ag\\_selectagent/index.shtml](http://www.aphis.usda.gov/programs/ag_selectagent/index.shtml)). Failure to comply with this requirement is a violation of the Agricultural Bioterrorism Protection Act of 2002.

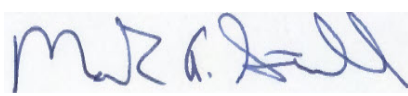
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6. You as the permit holder are responsible for maintaining a valid permit for as long as the soil is in your possession. APHIS does not issue extensions or renewals of existing permits; the permit holder must submit a new permit application at least three months prior to the expiration of this permit, and obtain a new permit to continue uninterrupted authorization for the soil approved under this permit.
7. Without prior notice and during reasonable hours, authorized PPQ and/or State regulatory officials must be allowed to inspect the conditions associated with the regulated soil authorized under this permit.
8. The permit holder must maintain an official permanent work assignment at the address identified on this permit. If the permit holder ceases assignment/affiliation at the address identified on this permit, or personnel circumstances change in any way, then a compliance officer must be notified at the PPQ permit unit immediately (that is, within one business day) by either (a) email to [pest.permits@aphis.usda.gov](mailto:pest.permits@aphis.usda.gov), (b) fax to 301-734-4300 or 8700, or (c) conventional mail to USDA PPQ Permit Unit, 4700 River Road, Riverdale, MD 20737. Should the permit holder depart from the organization/facility, the permit holder will request cancellation of this permit.
9. A copy of this permit must accompany all shipments authorized under this permit.
10. CBP-AI and PPQ have the authority to order re-exportation or destruction of a shipment, a portion of a shipment or any other material associated with the shipment (i.e. pallets, packaging, and means of conveyance). If an official of CBP-AI or PPQ determines that the shipment is contaminated with a quarantine plant pest or pests, is commingled with prohibited plant material or the required documentation is incomplete or missing, then that official may order re-exportation or destruction of a shipment, a portion of a shipment or any other material associated with the shipment (i.e. pallets, packaging, means of conveyance).
11. All solid wood packing material (SWPM) accompanying the shipment must be in compliance with ISPM 15 treatment regulations and IPPC stamp requirements and enforcement. Noncompliant shipments will be re-exported or destroyed at the consignee's expense.
12. All costs and arrangements for safeguarding and transportation of the cargo are the responsibility of the importer, broker or other parties associated with the shipment.
13. Subject to the conditions below.  
  
3 lbs or less: Dry Heat Sterilization or,  
3 lbs or less: Steam Heat Sterilization.
14. Soil must be shipped in a securely closed, watertight container (primary container- test tube, vial, etc.) which must be enclosed in a second, durable watertight container (secondary container). Each container must be able to contain the soil independently. Containers that can withstand heat at 110 degrees C are preferred.
15. Upon arrival into the United States, imported articles, shipping container(s) and paperwork are subject to inspection by officials from Customs and Border Protection - Agriculture Inspection (CBP - AI) and USDA, APHIS, Plant Protection and Quarantine (PPQ).
16. You must ship the soil (to be treated with dry heat or steam heat) at the Plant Protection and Quarantine facilities located in one of the following ports: Nogales, Arizona; El Segundo, California; San Francisco, California; Miami, Florida; Orlando, Florida; JFK, New York; Linden, New Jersey; San Juan, Puerto Rico; Los Indios, Texas; Seattle, Beltsville, MD, Washington or Agana, Guam. (Please read the Green & Yellow label instructions carefully).
17. Upon issuance of this permit, you must request the PPQ Form 508 Green/Yellow labels at least 7 days in advance. If you applied online using ePermits, you may request the labels using the My Shipments/Labels feature. Otherwise, send your request to: [BlackWhiteGreenYellowlabelrequest@aphis.usda.gov](mailto:BlackWhiteGreenYellowlabelrequest@aphis.usda.gov). All email requests must come from the permit holder or their authorized contact, if requested by an authorized contact the permit holder must be copied on all requests. Specify PPQ Form 508 Green/Yellow labels, the approved port as listed on the permit and the total number of labels needed in a multiple of eight. You may request additional labels the same way. We will send you the labels using a bonded carrier.
18. A label must be attached to the exterior of each package being imported under this permit. The labels have detailed instructions for use on the reverse side. You are responsible for instructing your shipper to carefully follow these instructions. You are responsible for each import shipping label issued under this permit.

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19. Enclose the following supplemental information in each shipment:

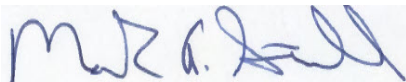
- Permittee Name
- Permit number
- Label number

20. Underlying packaging/wrapping must carry the address, billing, and any other information required to direct the shipment to its final destination (i.e., the permit holder's address; Please note: USDA APHIS does not defray any additional shipping costs incurred for transiting the shipment through an inspection station as the initial US destination). Please be advised that shipper/permit holder must provide clean containers for post treatment shipment.

**END OF PERMIT CONDITIONS**

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