



Corteva Agriscience
9330 Zionsville Road
Building 307UL
Indianapolis, IN 46268

August 14, 2019

Director of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Dear Sir or Madam,

This letter is to advise you of the transfer of two (2) Ba-133 sealed sources manufactured for Perkin Elmer. The sealed source was shipped to Perkin Elmer Life Sciences on Aug 9, 2019 for disposal at the facility in Hopkinton, MA:

Perkin Elmer Life Sciences
68 Elm Street
Hopkinton, MA 01748
Perkin Elmer Radioactive Material License # 56-0683 (Exp 05/2023)

The serial number and activity of each individual source is as follows:

Ba-133 Sealed Source Serial Number	Instrument Type	Model Number	Activity, mCi	Manufacture Date	Equipment Location
BAJ359	Packard LSC	2910TR	0.019	12/15/2010	Building 306/A2 Lab 749
BAJ368	Packard LSC	2910TR	0.019	12/15/2010	Building 306/A2 Lab 748

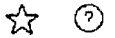
Please contact us if you have questions regarding this transfer. NRC License for Corteva Agriscience/Dow AgroSciences: 13-26398-01

Sincerely,

Kevin Smith
Radiation Safety Officer
Corteva Agrisciences/Dow AgroSciences, LLC
9330 Zionsville Road
Indianapolis, IN 46268
Phone: (317) 337-3466, (302) 318-2449
Email: kevin.smith@corteva.com



710813742718



Delivered
Wednesday 8/14/2019 at 9:52 am



DELIVERED

Signed for by: M.FREDETTE

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM
INDIANAPOLIS, IN US

TO
HOPKINTON, MA US

Multiple-piece Shipment

2 Piece shipment

TRACKING NUMBER	SHIPPER CITY, STATE	SHIP DATE	STATUS	DELIVERY DATE	DESTINATION/RECIPIENT CITY, STATE
710813742718 (master)	INDIANAPOLIS, IN	8/09/2019		8/14/2019	HOPKINTON, MA
710813742729	INDIANAPOLIS, IN	8/09/2019		8/14/2019	HOPKINTON, MA

Shipment Facts

TRACKING NUMBER
710813742718

SERVICE
FedEx Express Saver

MASTER TRACKING NUMBER
710813742718

WEIGHT
5 lbs / 2.27 kgs

DIMENSIONS
17x17x19 in

DELIVERED TO
Shipping/Receiving

TOTAL PIECES
2

TOTAL SHIPMENT WEIGHT
10 lbs / 4.54 kgs

TERMS
Third Party

DEPARTMENT NUMBER
K Smrth

SHIPPER REFERENCE
Perkin Elmer

PACKAGING
Your Packaging

SPECIAL HANDLING SECTION
Deliver Weekday

STANDARD TRANSIT
 8/14/2019 by 4:30 pm

SHIP DATE
 Fri 8/09/2019

ACTUAL DELIVERY

Wed 8/14/2019 9:52 am

Travel HistoryLocal Scan Time **Wednesday, 8/14/2019**

9:52 am	HOPKINTON, MA	Delivered
9:06 am	FRAMINGHAM, MA	On FedEx vehicle for delivery
8:36 am	FRAMINGHAM, MA	At local FedEx facility

Tuesday, 8/13/2019

11:10 am	FRAMINGHAM, MA	At local FedEx facility
10:54 am	FRAMINGHAM, MA	At local FedEx facility Package not due for delivery
8:16 am	FRAMINGHAM, MA	At local FedEx facility

Monday, 8/12/2019

3:30 pm	FRAMINGHAM, MA	At local FedEx facility
11:50 am		Shipment information sent to FedEx

Sunday, 8/11/2019

7:25 pm	EAST BOSTON, MA	At destination sort facility
3:46 pm	MEMPHIS, TN	Departed FedEx location
3:33 am	MEMPHIS, TN	Arrived at FedEx location


Saturday, 8/10/2019

8:15 pm	INDIANAPOLIS, IN	Departed FedEx location
---------	------------------	-------------------------

Friday, 8/09/2019

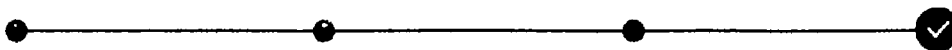
3:13 pm	INDIANAPOLIS, IN	Picked up
---------	------------------	-----------



710813742729 



Delivered
Wednesday 8/14/2019 at 9:52 am



DELIVERED

Signed for by: M.FREDETTE

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM
INDIANAPOLIS, IN US

TO
HOPKINTON, MA US

Multiple-piece Shipment

2 Piece shipment

TRACKING NUMBER	SHIPPER CITY, STATE	SHIP DATE	STATUS	DELIVERY DATE	DESTINATION/RECIPIENT CITY, STATE
710813742718 (master)	INDIANAPOLIS, IN	8/09/2019		8/14/2019	HOPKINTON, MA
710813742729	INDIANAPOLIS, IN	8/09/2019		8/14/2019	HOPKINTON, MA

Shipment Facts

TRACKING NUMBER
710813742729

SERVICE
FedEx Express Saver

MASTER TRACKING NUMBER
710813742718

WEIGHT
5 lbs / 2.27 kgs

DIMENSIONS
17x17x19 in

DELIVERED TO
Shipping/Receiving

TOTAL PIECES
2

TOTAL SHIPMENT WEIGHT
5 lbs / 2.27 kgs


TERMS
Third Party


DEPARTMENT NUMBER
K Smith

SHIPPER REFERENCE
Perkin Elmer

PACKAGING
Your Packaging


SPECIAL HANDLING SECTION
Deliver Weekday

STANDARD TRANSIT

8/14/2019 by 4:30 pm

SHIP DATE

Fri 8/09/2019

ACTUAL DELIVERY

Wed 8/14/2019 9 52 am

Travel HistoryLocal Scan Time **Wednesday , 8/14/2019**

9 52 am	HOPKINTON, MA	Delivered
9:04 am	FRAMINGHAM, MA	On FedEx vehicle for delivery
7:51 am	FRAMINGHAM, MA	At local FedEx facility

Tuesday , 8/13/2019

11 10 am	FRAMINGHAM, MA	At local FedEx facility
10 48 am	FRAMINGHAM, MA	At local FedEx facility Package not due for delivery
7 45 am	FRAMINGHAM, MA	At local FedEx facility

Monday , 8/12/2019

11 50 am		Shipment information sent to FedEx
----------	--	------------------------------------

Sunday , 8/11/2019

2 40 pm	EAST BOSTON, MA	At destination sort facility
---------	-----------------	------------------------------

Saturday , 8/10/2019

6 50 pm	INDIANAPOLIS, IN	Departed FedEx location
---------	------------------	-------------------------

Friday , 8/09/2019

3 13 pm	INDIANAPOLIS, IN	Picked up
---------	------------------	-----------