

User guide production PRODUCTION

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1 Initiate production

1.1 Initial production

Initial production is defined here as production where a known formula exists in D365. This is opposed to the transformation scenarios where no formula is defined.

Under production control > production orders > Initial production order, a new production can be prepared, incl. a destination transfer.

Click 'New' to create a new record. Fill in the legal entity where the production is executed (where the formula exists, formulation PO's will be sent from, etcetera). Define the product and its variant that will be produced. If a formula exists for this variant, it will be suggested. In case multiple formulas exist the choice can be made. Define the expected production date and the quantity to produce.

Finally, a destination can also be defined (legal entity and warehouse where the goods are destined to). If no transfer of goods needs to be done, the same LE and warehouse should be chosen as the production legal entity and warehouse. (production warehouse is automatically filled in based on the chosen formula).

Create initial production order

Batch Order

Initial production number

TRF00000010

Production legal entity

BBE

BELCHIM CROP PROTECTION NV

Product to be produced

10009-99

Production variant

VAR000053

Production formula number

F000014

Production date

1/09/2021

Production warehouse

Sipcam

Sipcam

Qty

1.000,00

Inventory unit

LT

Destination

DESTINATION

Destination Legal Entity

BBE

BELCHIM CROP PROTECTION NV

Destination Warehouse

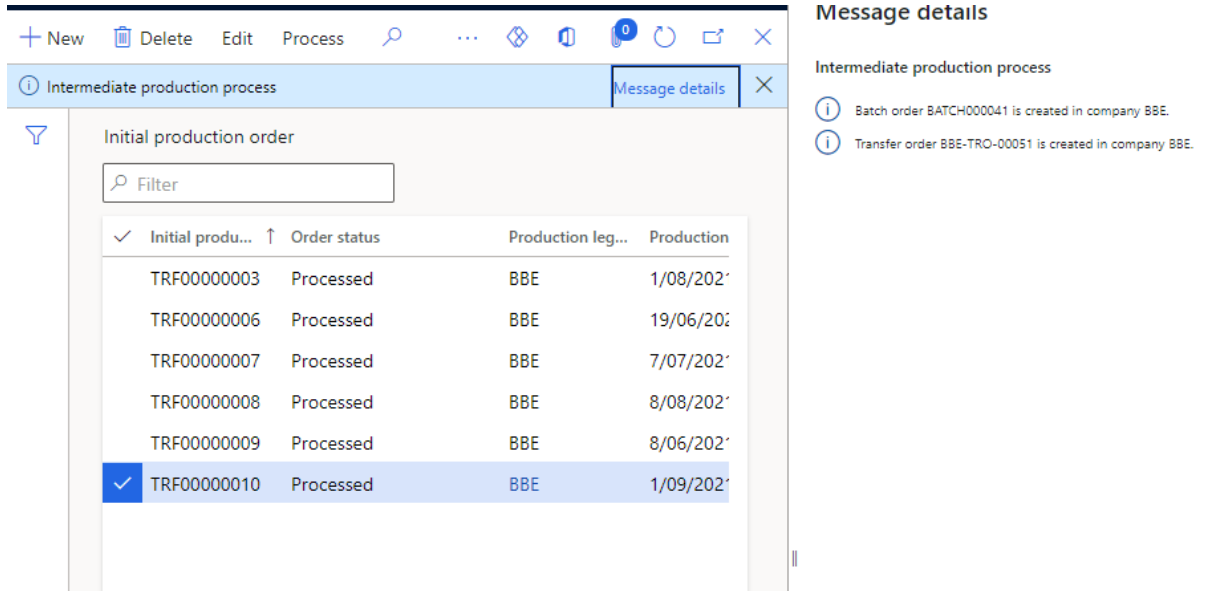
Globach

Globachem

OK

Cancel

The new record is added to the list. This record can still be edited at this stage, if the record is OK, click Process. This will generate the batch order (production order) and the destination transfer (IC transfer or normal transfer order, depending on the situation).



The screenshot shows the 'Initial production order' window with a table of production orders. The 'Message details' pane on the right shows messages for the selected order.

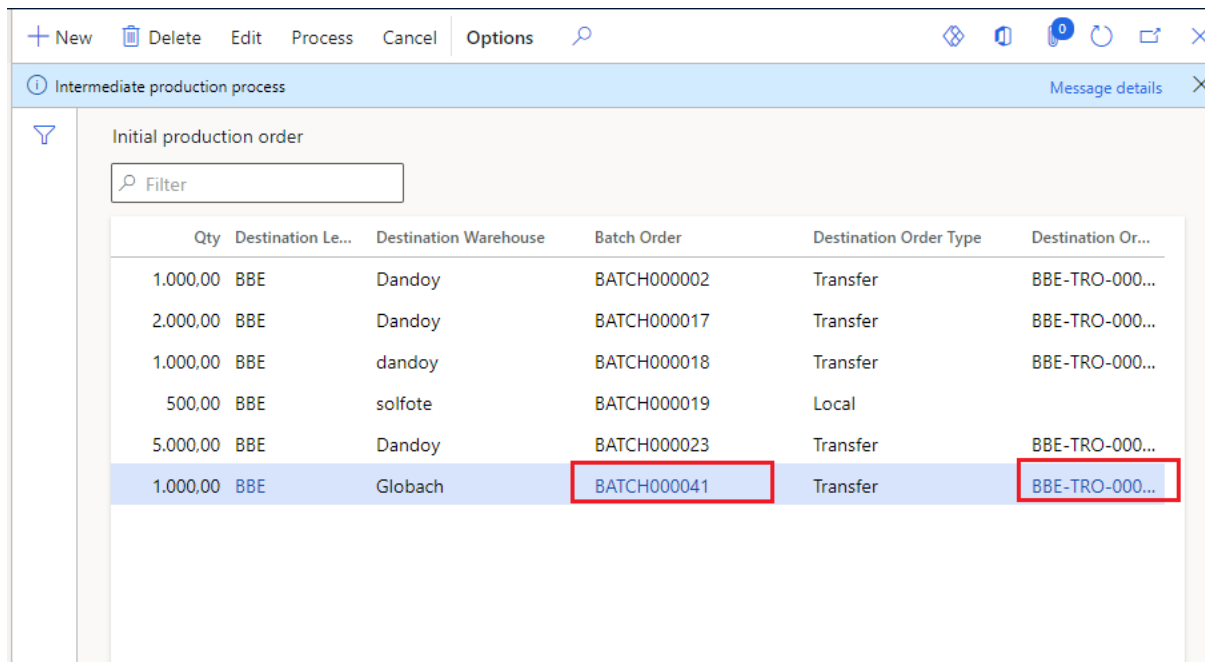
Initial produ...	Order status	Production leg...	Production
TRF00000003	Processed	BBE	1/08/2021
TRF00000006	Processed	BBE	19/06/2021
TRF00000007	Processed	BBE	7/07/2021
TRF00000008	Processed	BBE	8/08/2021
TRF00000009	Processed	BBE	8/06/2021
TRF00000010	Processed	BBE	1/09/2021

Message details

Intermediate production process

- Batch order BATCH000041 is created in company BBE.
- Transfer order BBE-TRO-00051 is created in company BBE.

The batch order and transfer order can be found through a link, added in this grid:



The screenshot shows the 'Initial production order' window with a grid of production orders. The 'Batch Order' and 'Destination Order Type' columns are highlighted for the selected order.

Qty	Destination Le...	Destination Warehouse	Batch Order	Destination Order Type	Destination Or...
1.000,00	BBE	Dandoy	BATCH000002	Transfer	BBE-TRO-000...
2.000,00	BBE	Dandoy	BATCH000017	Transfer	BBE-TRO-000...
1.000,00	BBE	dandoy	BATCH000018	Transfer	BBE-TRO-000...
500,00	BBE	sofote	BATCH000019	Local	
5.000,00	BBE	Dandoy	BATCH000023	Transfer	BBE-TRO-000...
1.000,00	BBE	Globach	BATCH000041	Transfer	BBE-TRO-000...

They can also be found in the overview of all production orders, all transfer orders, all sales orders, depending on which type of order it is.

Handling the batch order is treated in the following chapters, for handling of transfer order/IC transfers, please refer to the transfer process training guides.

1.2 Transformation production

Transformation production orders are orders where a repack/relabel/rework is prepared, including transfers to and from the production warehouse. These do not require a known formula in the system, the formula will be generated automatically based on the information defined in the transformation, and the relabel/repack/rework service item defined on the BCP product master of the product that will be produced.

Create a new transformation order under production control > production orders > transformations. Click new to create a new record.

Fill in the type of transformation (relabel/repack/rework -> this will define which service item is retrieved from the BCP product master and used in the production order), define the production legal entity and the vendor account of the toller that will produce the goods. If a formulation PO needs to be sent out to the toller, check the "Form PO" checkbox. Fill in the estimated production date and the warehouse where the work will be executed.

Create transformation

Production

Transformation order
IPO00000031

Order type
Relabel

Production legal entity
BBE BELCHIM CROP PROTECTION NV

Produced by
BBE-V0018

Form PO
☒ Yes

Production date
1/08/2021

Production warehouse
Sipcam

Next, define the origin of the transformation. Choose the legal entity where the goods are currently stocked, define the product and variant that will be transformed, the warehouse where the stock is found and the quantity to transform.

Origin

Origin Legal Entity

BBE

BELCHIM CROP PROTECTION NV

Origin product

10009-02

Origin Variant

VAR000081

10009:ONYX:FR:4 x 5 LT

Origin Warehouse

Dandoy

Dandoy

Origin Quantity

100,00

Inventory unit

LT

Define the destination of the transformation. This requires the legal entity and warehouse where the produced goods need to arrive. Also define the destination product and variant, that will be created in the production process.

Destination

Destination Legal Entity

BBE

BELCHIM CROP PROTECTION NV

Destination product

10009-02

Destination variant

VAR000032

10009:ONYX:BE:4 x 5 LT

Destination Warehouse

Dandoy

Dandoy

Click OK. The transformation record is created. It can still be edited at this point, if the record is OK, we process the record.

+ New

Delete

Edit

Process

Cancel

Options

Personalize

Page options

Share

Always open for editing

Personalize this page

Add to workspace

Security diagnostics

Advanced filter or sort

Record info

Get a link

Create a custom alert

Manage my alerts

Transformations

Filter

Transformati...	Order status	Order type	Production leg...	Produced by	Form PO	Production date	Origin product	Product number
IPO00000001	Processed	Repack	BBE	GLOBACHEM NV	Yes	1/08/2021	10009-99	10009:ONYX:ALL:1 x 1000 L'
IPO00000012	Processed	Repack	BBE	SIPCAM OXON S.P.A.	Yes	18/06/2021	10009-99	10009:ONYX:ALL:1 x 1000 L'
IPO00000014	Processed	Repack	BBE	GLOBACHEM NV	No	8/06/2021	10009-99	10009:ONYX:ALL:1 x 1000 L'
IPO00000021	Processed	Repack	BBE	SIPCAM OXON S.P.A.	No	9/11/2021	10009-99	10009:ONYX:ALL:1 x 1000 L'
IPO00000022	Processed	Repack	BBE	BELCHIM CROP PROTECTION NV	No	17/08/2021	10009-99	10009:ONYX:ALL:1 x 1000 L'
IPO00000031	New	Relabel	BBE	SIPCAM OXON S.P.A.	Yes	1/08/2021	10009-02	10009:ONYX:FR:4 x 5 LT

The transfers (where necessary) and production batch order are created.

New

Details

Edit

Process

Cancel

Options

Help

Personalize

Page options

Share

Always close tabs for editing

Personalize this page

Add to workspace

Get a link

Create a custom alert

Manage my alerts

Record info

Transformation process

Transformation process

Search across 600,000,000 records in company BBE

Import

Transfer across BBE: 780,100,000 records in company BBE

Transformation process

Transformations

Filter

Transformations	Order status	Order type	Production leg.	Produced by	Form PO	Production date	Origin product	Product number	Origin Variant	Trademark	Country
IP000000001	Processed	Repack	BBE	GLOBALCHEM NV	Yes	1/08/2021	10009-89	10009OHYKALL1 x 1000 LT	VAR000053	ONVIX	ALL
IP000000012	Processed	Repack	BBE	SIPCAM OXON S.P.A.	Yes	18/06/2021	10009-89	10009OHYKALL1 x 1000 LT	VAR000053	ONVIX	ALL
IP000000014	Processed	Repack	BBE	GLOBALCHEM NV	No	8/06/2021	10009-89	10009OHYKALL1 x 1000 LT	VAR000053	ONVIX	ALL
IP000000021	Processed	Repack	BBE	SIPCAM OXON S.P.A.	No	9/11/2021	10009-89	10009OHYKALL1 x 1000 LT	VAR000053	ONVIX	ALL
IP000000022	Processed	Repack	BBE	BEUCHAM CROP PROTECTION NV	No	17/06/2021	10009-89	10009OHYKALL1 x 1000 LT	VAR000053	ONVIX	ALL
IP000000031	Processed	Repack	BBE	SIPCAM OXON S.P.A.	Yes	1/08/2021	10009-02	10009OHYKPR4 x 5 LT	VAR000081	ONVIX	FR
IP000000032	New	Repack	BBE	SIPCAM OXON S.P.A.	Yes	1/08/2021	10009-02	10009OHYKPR4 x 5 LT	VAR000081	ONVIX	FR

The batch order and transfer orders can be found through a link, added in this grid:

Destination Le...	Destination Warehouse	Batch Order	Origin order type	Origin order	Destination Order Type	Destination Or...
BFR	DS_Mett	BATCH000016	Transfer	BBE-TRO-000...	Intercompany	BBE-SO-00462
BFR	DS_Mett	BATCH000020	Transfer	BBE-TRO-000...	Intercompany	BBE-SO-00463
BBE	Dandoy	BATCH000021				
BFR	DS_Mett	BATCH000031	Transfer	BBE-TRO-000...	Intercompany	BBE-SO-00437
BFR	DS_Mett	BATCH000032			Intercompany	BBE-SO-00438
BBE	Sipcam	BATCH000045	Transfer	BBE-TRO-000...		

Once the batch order is created click on the batch order number & choose "release"

Production order

Batch order - BATCH000061, PROMAN 500 SC 2 x 10 LT	BATCH000061 : PROMAN 500 SC 2 X 10 LT
BATCH000061	

They can also be found in the overview of all production orders, all transfer orders, all sales orders, depending on which type of order it is.

Handling the batch order is treated in the following chapters, for handling of transfer order/IC transfers, please refer to the transfer process training guides.

2 Execute production

Navigate to the production orders through production control > production orders > all production orders. A filter can be set on the production pool to have different overviews per type of production:

Production	Product number	Item number	CW quantity	CW unit	Quantity	Report remainder as finished	Delivery	Status	Remain status	Reference type	Pool	Locked
BATCH000045	10009ONVYKBE4 x 5 LT	10009-02			100.00	100.00	1/08/2021	Estimated	Material consumption		RELABEL	
BATCH000041	10009ONVYKALL1 x 1000 LT	10009-99			1,000.00	1,000.00	1/08/2021	Created			INITIAL	
BATCH000032	10009ONVYKPR4 x 5 LT	10009-02			50.00		17/06/2021	Ended	Ended		REPACK	
BATCH000031	10009ONVYKPR4 x 5 LT	10009-02			50.00		9/11/2021	Started	Ended		REPACK	
BATCH000023	10009ONVYKALL1 x 1000 LT	10009-99			5,000.00		8/06/2021	Ended	Ended		INITIAL	
BATCH000022	10009ONVYKALL1 x 1000 LT	10009-99			5,000.00	5,000.00	8/06/2021	Started	Material consumption		INITIAL	
BATCH000021	10009ONVYKPR4 x 5 LT	10009-02			400.00		8/06/2021	Ended	Ended		REPACK	
BATCH000020	10009ONVYKPR4 x 5 LT	10009-02			200.00		18/06/2021	Ended	Ended		REPACK	
BATCH000019	10005VALUS FALL11 x 500 KG	10005-99			500.00		8/08/2021	Ended	Ended		INITIAL	
BATCH000018	10009ONVYKALL1 x 1000 LT	10009-99			1,000.00	1,000.00	7/07/2021	Estimated	Material consumption		INITIAL	
BATCH000017	10009ONVYKALL1 x 1000 LT	10009-99			2,000.00	2,000.00	18/06/2021	Estimated	Material consumption		INITIAL	
BATCH000016	10009ONVYKPR4 x 5 LT	10009-02			400.00		1/08/2021	Ended	Ended		REPACK	
BATCH000002	10009ONVYKALL1 x 1000 LT	10009-99			1,000.00		1/08/2021	Ended	Ended		INITIAL	

2.1 Send out Formulation PO

For production orders where a Form PO needs to be sent out (based on formula master data or the choice made in the transformation creation), we will first send out the form PO to the toller to communicate the need for production.

This PO can be found in the overview of all purchase orders under procurement and sourcing, but can also be found from the production order, under the formula.

Batch order - BATCH000045

General

IDENTIFICATION	PRODUCTION	CW unit	Delivery	STATUS	REWORK BATCH	DATE SCHEDULED
Batch order BATCH000045	Type Process	Quantity 100.00	1/08/2021	Status Estimated	Rework batch <input checked="" type="checkbox"/> Yes	Start date
Item number 10009-02	CW quantity		Time 10:00	Scheduling status		End date
Name ONVYK 600 EC 4 x 5 LT			Color 128	Remain status Material consumption	GROUPINGS Pool RELABEL Production group	

Setup

FORMULA	Reservation	ROUTE	Jobs	SCHEDULING	OTHER
Formula date 11/06/2021	Manual	Route number	<input checked="" type="radio"/> No	Property	Ledger
Formula number F000013	Yield 100.00		<input checked="" type="radio"/> No		Item and resource
				Priority 0	Profit-setting Standard

Select the line with the formulation service and scroll to the right to find the vendor and PO reference.

2.2 Execute production

When the toller has executed the production and has communicated the consumed and finished quantities, go to the production order and click 'Start' to start the production.

The screenshot shows the 'Production order' tab selected in the top navigation bar. The 'Process' section contains a 'Start' button, which is highlighted with a red rectangle. Below the navigation bar, the 'Batch order - BATCH000045, ONYX 600 EC 4 x 5 LT' is displayed. The 'General' section shows the following details:

IDENTIFICATION	PRODUCTION	CW unit	Delivery	STATUS
Batch order	Type		1/08/2021	Status
BATCH000045	Process	Quantity	Time	Estimated
Item number	CW quantity	100,00	10:00	Scheduling status
10009-02				

When the production order is started, click 'Execute production'.

The screenshot shows the 'Production order' tab selected in the top navigation bar. The 'Process' section contains an 'Execute production' button, which is highlighted with a red rectangle. Below the navigation bar, the 'Batch order - BATCH000045, ONYX 600 EC 4 x 5 LT' is displayed. The 'General' section shows the following details:

IDENTIFICATION	PRODUCTION	CW unit	Delivery	STATUS
Batch order	Type		1/08/2021	Status
BATCH000045	Process	Quantity	Time	Estimated
Item number	CW quantity	100,00	10:00	Scheduling status
10009-02				

This opens the form to post the report as finished journal and the picking journal.

Click report produced quantities. Define the production date, quantity that is reported as finished and type in the new batch number that is created (an existing batch can also be selected).

Save Report produced quantities Post all Report as finished Options

BATCH000045 - ONYX 600 EC 4 x 5 LT

Execute production

PRODUCTION ORDER

Item number: 10009-02 Name: ONYX 600 EC 4 x 5 LT Total reported as finished quantity: STOCK DIMENSIONS Warehouse: Spcam Country: BE

Production: BATCH000045 Remaining quantity: 100.00 Site: OP Trademark: ONYX

Report as finished journal lines

+ New Delete Inventory Post Journal

Date	Reported as finished p...	Item number	Good quantity	Lot ID	Configuration	Trademark	Country	Warehouse	Batch number	Posted
We didn't find anything to show here.										

Picking list journal lines

+ New Delete Inventory Post Journal

Date	Picking list journal ?	Item number	Proposal	Consumption	Unit	Configuration	Trademark	Country	Warehouse	Batch number	Posted	End
We didn't find anything to show here.												

LAYOUT ITEMS

Production: BATCH000045

Picking list: PROPOSAL

Date: 11/06/2021

Quantity:

Consumption - Proposal: YES

Batch number:

OK Cancel

A RAF line is created, and picking lines are created for every line in the formula. On the picking list journal lines for products with batch tracking, define the consumed batch numbers:

Save Report produced quantities Post all Report as finished Options

BATCH000045 - ONYX 600 EC 4 x 5 LT

Execute production

PRODUCTION ORDER

Item number: 10009-02 Name: ONYX 600 EC 4 x 5 LT Total reported as finished quantity: STOCK DIMENSIONS Warehouse: Spcam Country: BE

Production: BATCH000045 Remaining quantity: 100.00 Site: OP Trademark: ONYX

Report as finished journal lines

+ New Delete Inventory Post Journal

Date	Reported as finished p...	Item number	Good quantity	Lot ID	Configuration	Trademark	Country	Warehouse	Batch number	Posted
11/06/2021	PRD1000042	10009-02	50.00	LOT000407	4 X 5 LT	ONYX	BE	Spcam	SBT1106a	

Picking list journal lines

+ New Delete Inventory Post Journal

Date	Picking list journal ?	Item number	Proposal	Consumption	Unit	Configuration	Trademark	Country	Warehouse	Batch number	Posted	End	Finished qty
11/06/2021	PRD1000041	99001	50.00	50.00	LT	4 X 5 LT	ONYX	BE	Spcam				50.00
11/06/2021	PRD1000041	10009-02	50.00	50.00	LT		ONYX	FR	Spcam				50.00

On-hand View available Range inventory dimensions

Batch number	Warehouse	Trademark	Country	Site	Attribute	Attribute value	Available phys...	Active quantity	Total available
0806MMI	Dandoy	ONYX	FR	OP			50.00		50.00
SBT1106a	Spcam	ONYX	BE	OP					50.00
SBT1106a	Spcam	ONYX	FR	OP					-50.00
SBT123456	Dandoy	ONYX	FR	OP			310.00		310.00

If necessary, modify the quantities on the RAF line or the picking list journal lines to reflect the production report. When all lines are OK, click "Post all".

Save Report produced quantities **Post all** Report as finished Options

BATCH000045 - ONYX 600 EC 4 x 5 LT

Execute production

PRODUCTION ORDER Item number Name Total reported as finished quantity STOCK DIMENSIONS Warehouse Country
 Production 10009-02 ONYX 600 EC 4 x 5 LT Site Spscam BE
 BATCH000045 Remaining quantity 100,00 OP ONYX

Report as finished journal lines

Date	Reported as finished jo...	Item number	Good quantity	Lot ID	Configuration	Trademark	Country	Warehouse	Batch number	Posted
11/06/2021	PRD/000042	10009-02	50,00	LOT000407		ONYX	BE	Spscam	SBT1106a	<input type="checkbox"/>

Picking list journal lines

Date	Picking list journal T	Item number	Proposal	Consumption	Unit	Configuration	Trademark	Country	Warehouse	Batch number	Posted	End	Finished qty
11/06/2021	PRD/000041	99001	50,00	50,00	LT	4 X 5 LT	ONYX	BE	Spscam		<input type="checkbox"/>	<input type="checkbox"/>	50,00
11/06/2021	PRD/000041	10009-02	50,00	50,00	LT		ONYX	FR	Spscam	SBT123456	<input type="checkbox"/>	<input type="checkbox"/>	50,00

If the production is executed partially, this step of reporting produced quantities can be repeated. If no more production will be executed and an open quantity remains, click the 'Report as finished' button to end the production for this remaining quantity.

Save Report produced quantities **Post all** **Report as finished** Options

BATCH000045 - ONYX 600 EC 4 x 5 LT

Execute production

PRODUCTION ORDER Item number Name Total reported as finished quantity STOCK DIMENSIONS Warehouse Country
 Production 10009-02 ONYX 600 EC 4 x 5 LT Site Spscam BE
 BATCH000045 Remaining quantity 50,00 OP ONYX

Report as finished journal lines

Date	Reported as finished jo...	Item number	Good quantity	Lot ID	Configuration	Trademark
11/06/2021	PRD/000042	10009-02	50,00	LOT000407		ONYX

Picking list journal lines

Date	Picking list journal T	Item number	Proposal	Consumption	Unit	Configuration
11/06/2021	PRD/000041	99001	50,00	50,00	LT	4 X 5 LT
11/06/2021	PRD/000041	10009-02	50,00	50,00	LT	

Production - Report as finished Production: BATCH000045 Posting - Report as finished journal: PRD/000043 Journal has been posted.

Execute production

PRODUCTION ORDER Item number Name Total reported as finished quantity STOCK DIMENSIONS Warehouse Country
 Production 10009-02 ONYX 600 EC 4 x 5 LT Site Spscam BE
 BATCH000045 Remaining quantity 50,00 OP ONYX

Report as finished journal lines

Date	Reported as finished jo...	Item number	Good quantity	Lot ID	Configuration
11/06/2021	PRD/000042	10009-02	50,00	LOT000407	
11/06/2021	PRD/000043	10009-02		LOT000407	

A product receipt is posted on the Form PO for the quantity that is picked in this execute production. If the production is fully executed, the Form PO is received. If not, an open remaining quantity remains that can be handled on the form PO.

When production is executed, click 'End' on the production order to complete the production financially.

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