



Global Pharma

True Storage/Warehouse Solution

Supervisors:

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Hoang Thua Duy (Fsoft)

FA24 - G4 - SAP490 - Thesis Defense

About the Company

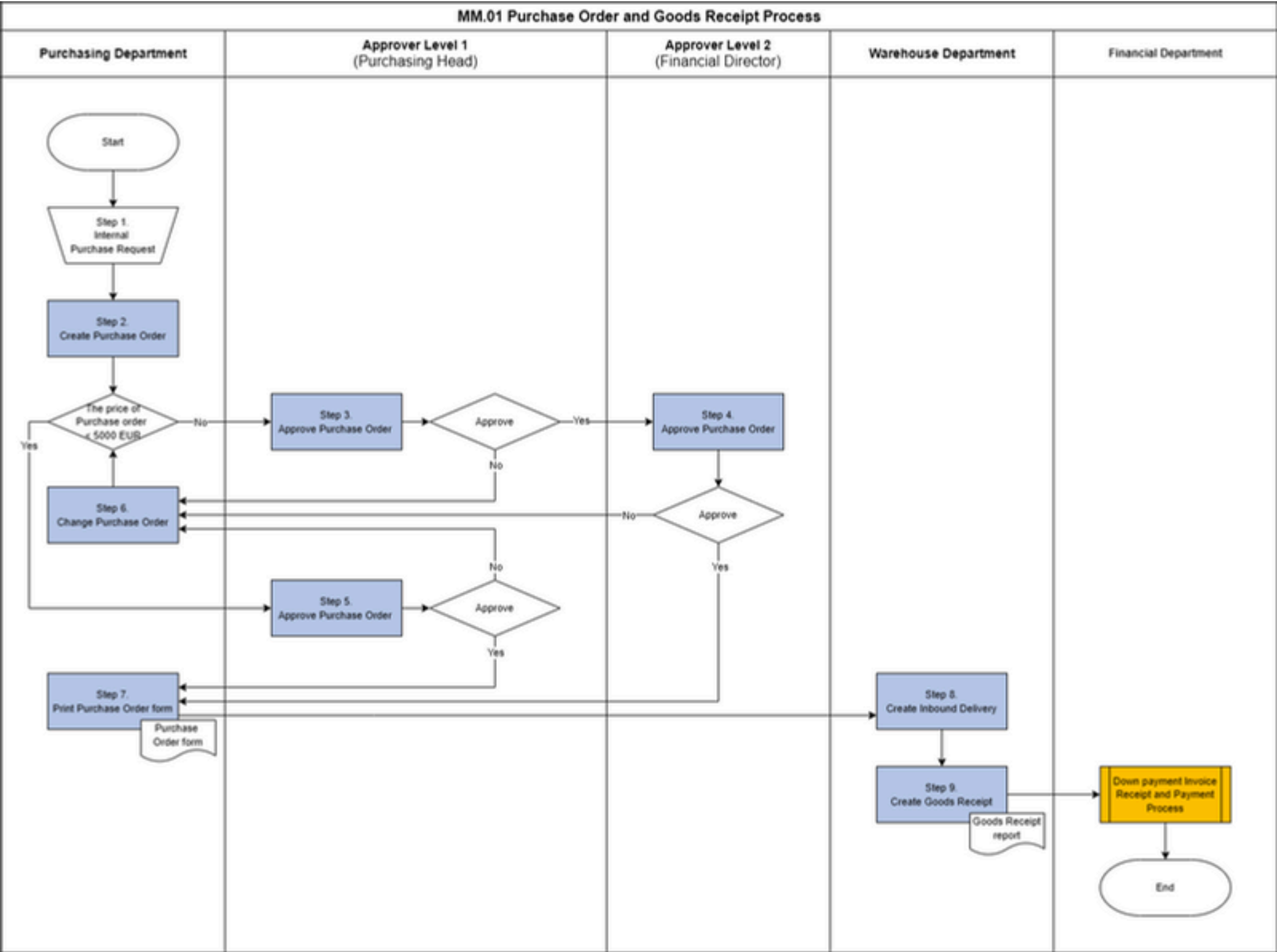
Global Pharma is a pharmaceutical company dedicated to ensuring the health and wellbeing of communities around the world. For in more than two decades, the company have been providing a wide range of pharmaceutical formulations in several therapeutic forms to a variety of markets in Southeast Asia, Central America, Latin American, CIS, and Africa.



Business Process

MM.01 Purchase Order and Goods Receipt Process

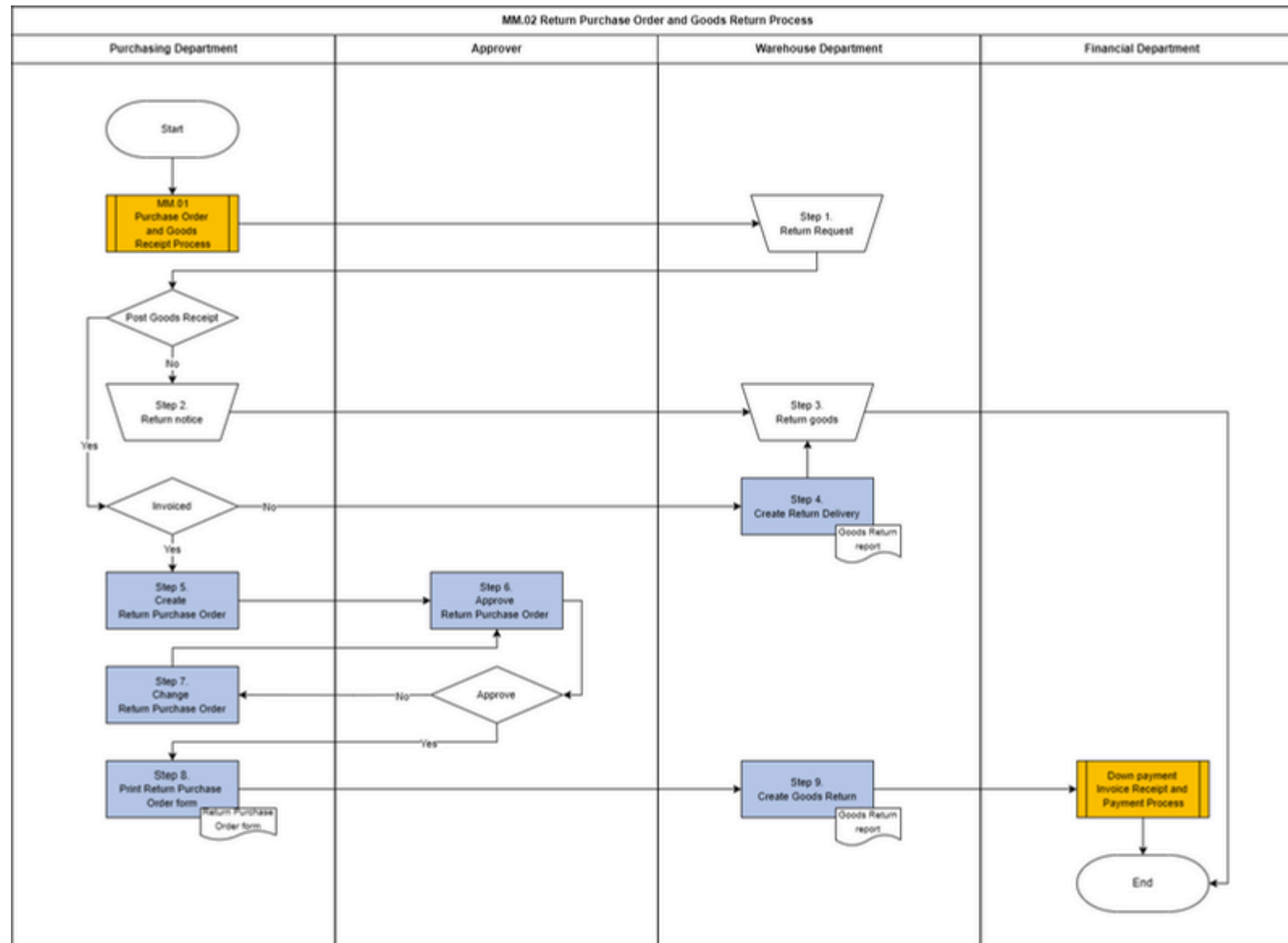
Detail Workflow



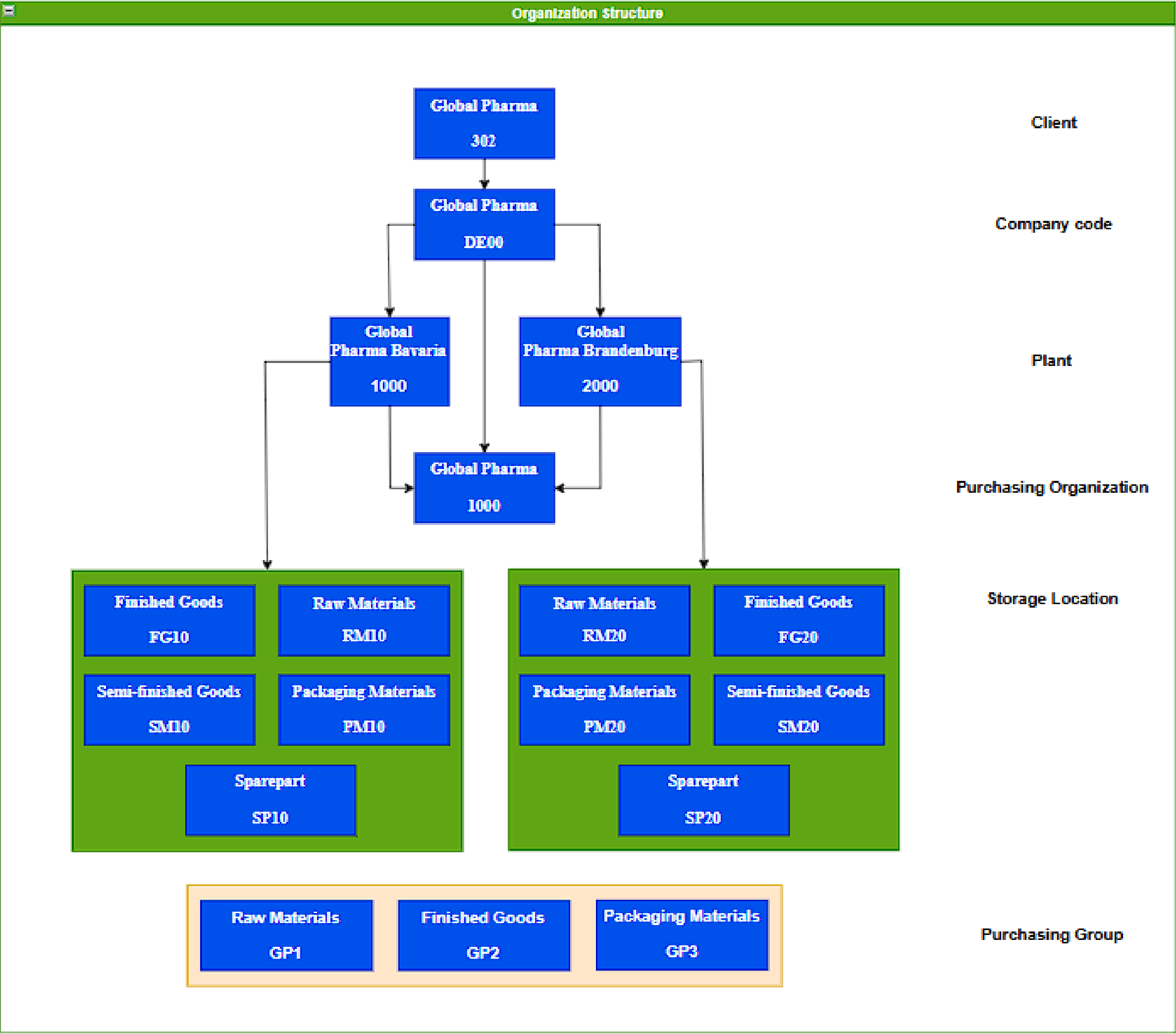
Business Process

MM.02 Return Purchase Order and Goods Return Process

Detail Workflow



ORGANIZATION STRUCTURE



4.2 PURCHASE ORDER FORM REQUIREMENTS

- 01
- Users can view and print PO in PDF format, content auto-fill according to created PO document, applicable for domestic, import and return PO.
- 02
- Only allow printing of approved PO
- 03
- Plant authorization for users to view only reports belonging to their assigned plant.
- 04
- The system automatically suggests displaying PO created by the user who is performing printing
- 05
- Add printing date and time information on the form

[Company Name]
[Street Address]
[Address Line 2]
[City]
[County]
[Postcode]
[Telephone]

PURCHASE ORDER
Time: 00:00
Date: 06/10/2020
PO No. [12345]

Supplier
[Company Name]
[Street Address]
[Address Line 2]
[City]
[County]
[Postcode]

Delivery Address
[Company Name]
[Street Address]
[Address Line 2]
[City]
[County]
[Postcode]

Delivery Date	Payment Terms	Requested By	Department

ITEM	DESCRIPTION	QTY	UNIT PRICE	TOTAL

Special Instructions

TOTAL NET

DELIVERY

VAT

TOTAL

0.00

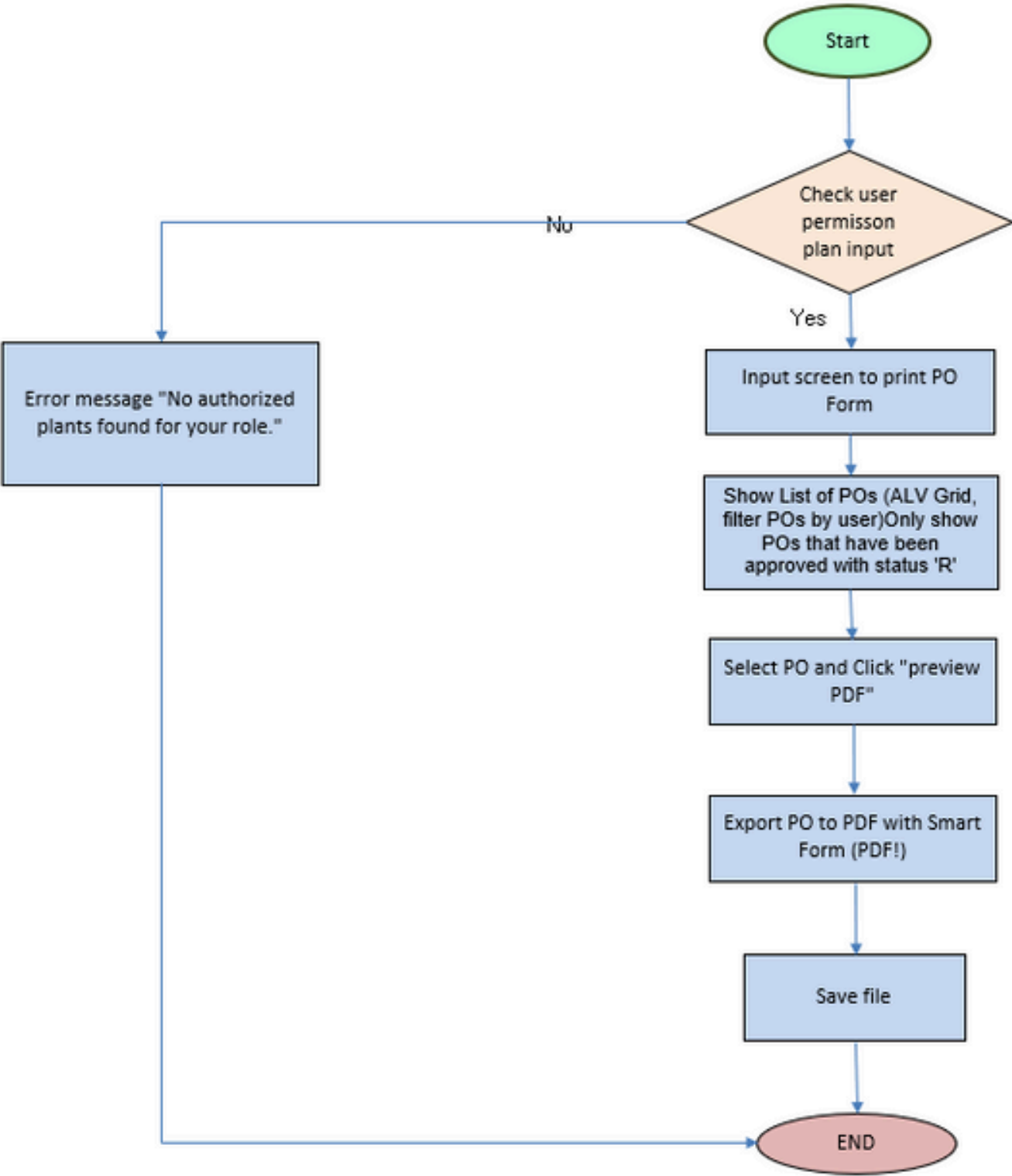
0.00

0.00

0.00

SCREEN FLOW

- 01 Check user plan authorization
- 02 Input parameter screen to print form
- 03 Show all approved POs
- 04 Click 1 PO and view, Enter PDF! command
- 05 Save file as PDF format



CHECK USER PLAN AUTHORIZATION

▼

Save as Variant...

More ▼

Report Selection

Plant: 1000

Document Date: 09.12.2024

PO Number:

Vendor:

Delivery Date:

Create by: ZMMG4

Company Code:

Purchasing Organization:

Currency:

Document Type:

Material Code:

to:

to:

to:

to:

to:

to:

to:

to:

to:

to:

Information

!

No authorized plants found based on your input.

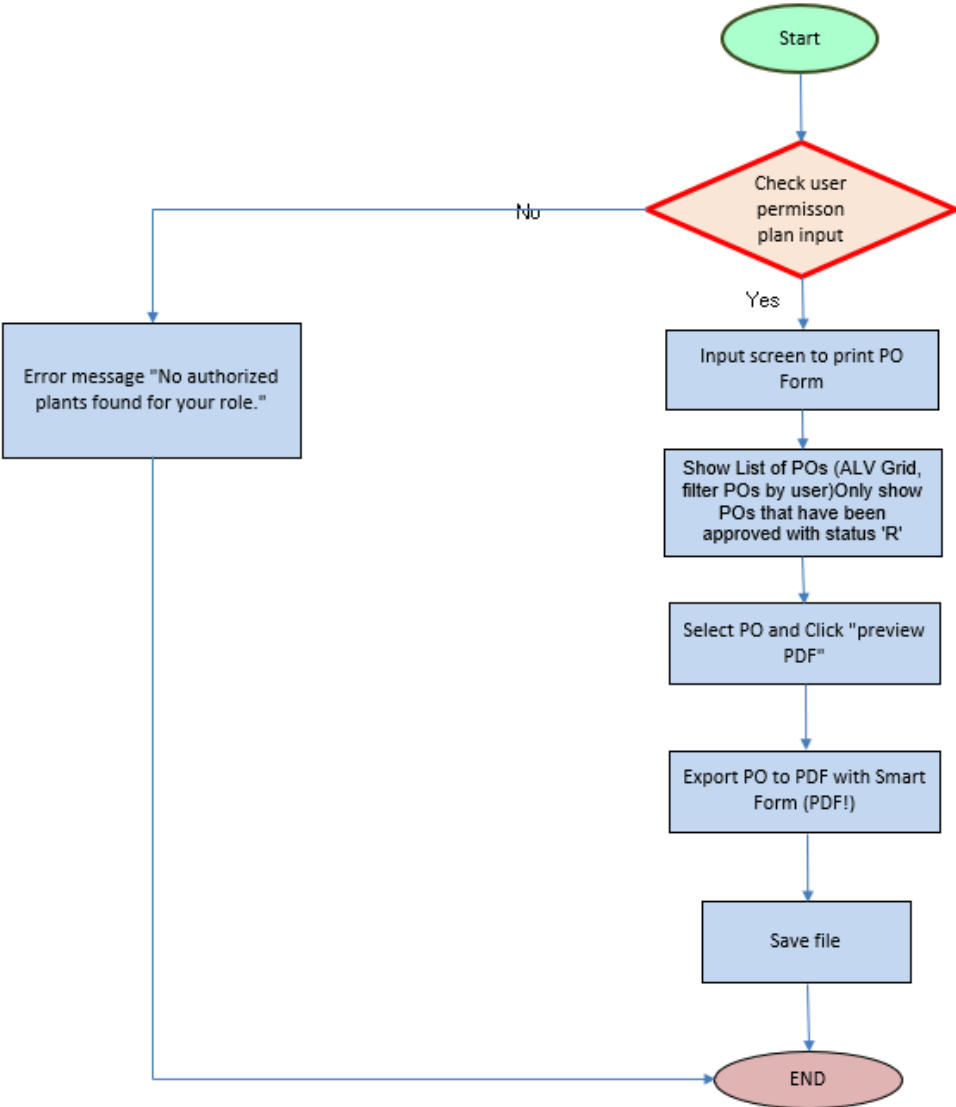
✓

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Information

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You DO NOT have permission TO access the following plants: 2000,3000. Only authorized plants will be displayed.



Field	Field Description
EBELN	Unique identifier for each purchase order
LIFNR	Vendor number (multiple selection allowed)
BEDAT	Date the purchase order was created
BUKRS	Code of the company making the PO
EKORG	Purchasing organization responsible
WAERS	Currency linked to the PO
MATNR	Material code for purchased items
MAKTX	Description of the material
ERNAM	Order creator
EINDT	Planned delivery date of the materials
WERKS	Plant where the materials are delivered

Print PO According to Approved Sample

Purchase OrderNo.	Item Number	Created by	Document Date	Material Code	Material Description	Company Code	Vendor	Pur. Organization	Delivery Date	Document Type	Plant	Currency
4700000077	10	ZMMG4	09.12.2024	A-00000051	NEOSTRATA BIONIC FACE SER 30ML	DE00	0001003342	1000	12.12.2024	ZIM1	1000	EUR
	20	ZMMG4	09.12.2024	A-00000020	SUPER TETRA SC	DE00	0001003342	1000	09.12.2024	ZIM1	1000	EUR
	30	ZMMG4	09.12.2024	A-00000021	NEOSTRATA BIONIC FACE SER 30M	DE00	0001003342	1000	09.12.2024	ZIM1	1000	EUR
4800000022	10	ZMMG4	09.12.2024	A-00000016	PARATUSIN FL ANIMALS 60ML	DE00	0001003343	1000	11.12.2024	ZRE1	1000	EUR
	20	ZMMG4	09.12.2024	B-00000018	PARATUSTN PR SYR 60MT	DE00	0001003343	1000	12.12.2024	ZRE1	1000	EUR
	30	ZMMG4	09.12.2024	C-00000011	BE DARYANT TULLE 142MM THIC	DE00	0001003343	1000	09.12.2024	ZRE1	1000	EUR

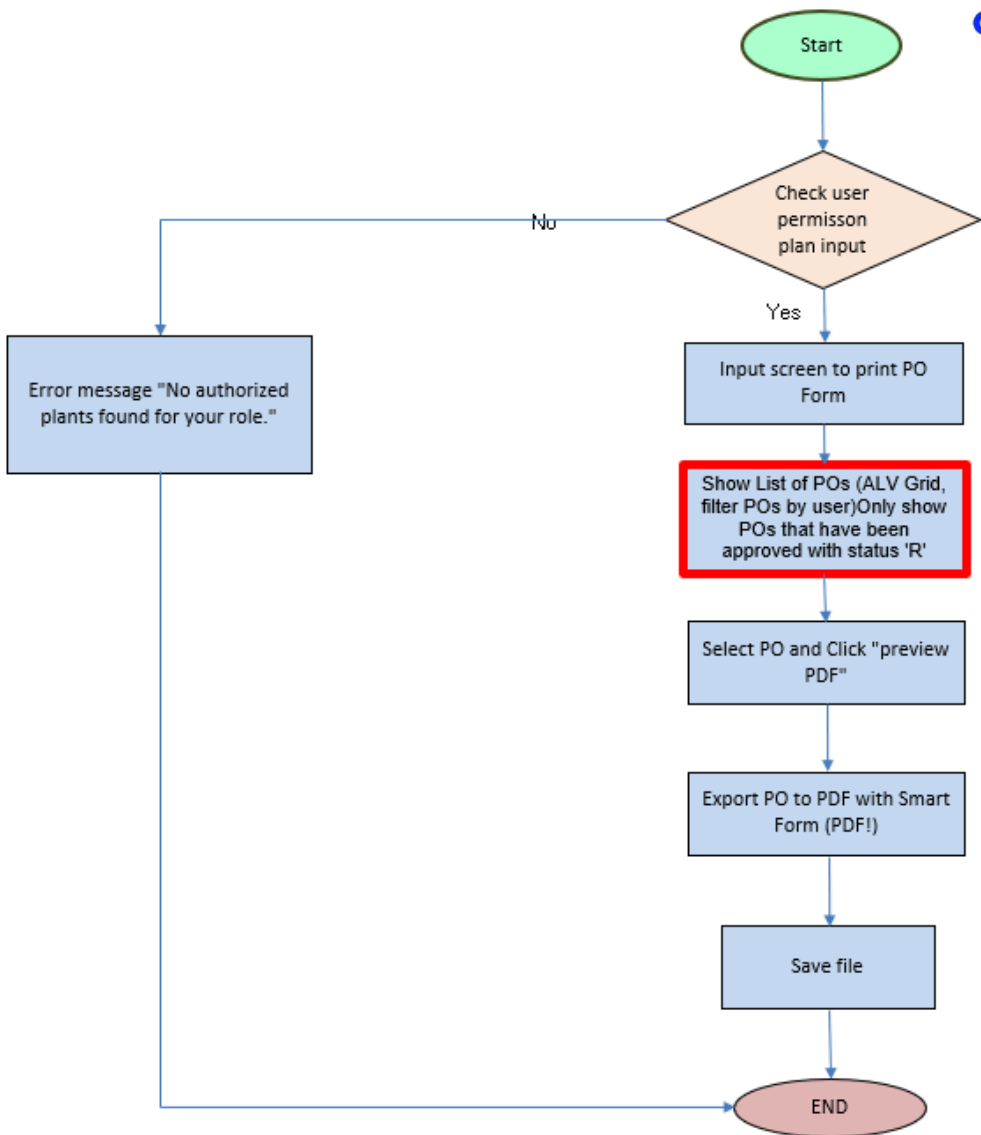
Information

ⓘ

No data or miss authorization

✓

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Field	Field Description
EBELN	Unique identifier for each purchase order
LIFNR	Vendor number (multiple selection allowed)
BEDAT	Date the purchase order was created
BUKRS	Code of the company making the PO
EKORG	Purchasing organization responsible
WAERS	Currency linked to the PO
MATNR	Material code for purchased items
MAKTX	Description of the material
ERNAM	Order creator
EINDT	Planned delivery date of the materials
WERKS	Plant where the materials are delivered

Print PO According to Approved Sample

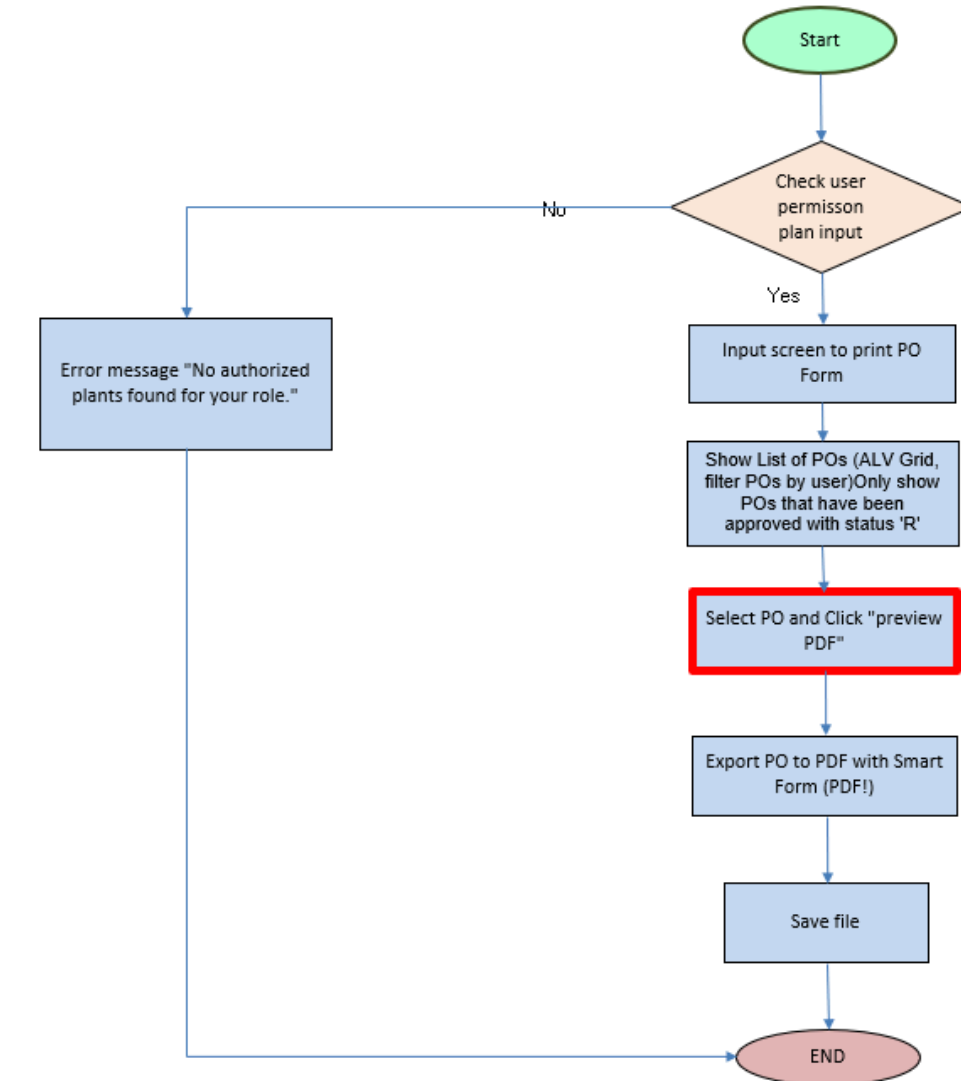
Purchase OrderNo.	Item Number	Created by	Document Date	Material Code	Material Description	Company Code	Vendor	Pur. Organization	Delivery Date	Document Type	Plant	Currency
4700000077	10	ZMMG4	09.12.2024	A-00000051	NEOSTRATA BIONIC FACE SER 30ML	DE00	0001003342	1000	12.12.2024	ZIM1	1000	EUR
	20	ZMMG4	09.12.2024	A-00000020	SUPER TETRA SC	DE00	0001003342	1000	09.12.2024	ZIM1	1000	EUR
	30	ZMMG4	09.12.2024	A-00000021	NEOSTRATA BIONIC FACE SER 30M	DE00	0001003342	1000	09.12.2024	ZIM1	1000	EUR
4800000022	10	ZMMG4	09.12.2024	A-00000016	PARATUSIN FL ANIMALS 60ML	DE00	0001003343	1000	11.12.2024	ZRE1	1000	EUR
	20	ZMMG4	09.12.2024	B-00000018	PARATUSTN PR SYR 60MT	DE00	0001003343	1000	12.12.2024	ZRE1	1000	EUR
	30	ZMMG4	09.12.2024	C-00000011	BE DARYANT TULLE 142MM THIC	DE00	0001003343	1000	09.12.2024	ZRE1	1000	EUR

Supplier		Delivery Address	
COMED	Global Pharma - Bavaria		
8 Rue Louise Michel	GPM Tower, 37 Frankfurt		
Strasbourg	Bavaria		
France	Germany		
67200	60325		

Delivery Date	Order Currency	Requested By	Department
12.12.2024	EUR	ZMMG4	Procurement Dept

Item	Description	Qty	Net Price	Per	Total
A-00000051	NEOSTRATA BIONIC FACE SER 30ML	100 G	2.000,00	1	200.000,00
A-00000020	SUPER TETRA SC	100 G	5.000,00	1	500.000,00
A-00000021	NEOSTRATA BIONIC FACE SER 30MT	200 G	1.000,00	1	200.000,00

Special Instructions		
Import	TOTAL NET	900.000,00 EUR
	VAT	171.000,00 EUR
	TOTAL	1.071.000,00 EUR



Field	Field Description
EBELN	Unique identifier for each purchase order
LIFNR	Vendor number (multiple selection allowed)
BEDAT	Date the purchase order was created
BUKRS	Code of the company making the PO
EKORG	Purchasing organization responsible
WAERS	Currency linked to the PO
MATNR	Material code for purchased items
MAKTX	Description of the material
ERNAM	Order creator
EINDT	Planned delivery date of the materials
WERKS	Plant where the materials are delivered

SAVE AND PRINT AS PDF

pdf!

More



GLOBAL PHARMA

PURCHASE ORDER

Frankfurt
Hesse
Germany
60325
494113686891

Time: 14:58:01
Date: 11.12.2024
PO No: 4600000147

Supplier

Delivery Address

Tecnimed Group
Estrada Nacional 3
Barquinha
Portugal
2005-080

Global Pharma - Bavaria
GPM Tower, 37 Frankfurt
Bavaria
Germany
60325

Delivery Date	Order Currency	Requested By	Department
12.12.2024	EUR	ZMMG4	Procurement Dept

Item	Description	Qty	Net Price	Per	Total
A-00000051	NEOSTRATA BIONIC FACE SER 30ML	100 G	2,000.00	1	200,000.00
A-00000021	NEOSTRATA BIONIC FACE SER 30MT	100 G	1,000.00	1	100,000.00
A-00000020	SUPER TETRA SC	300 G	5,000.00	3	500,000.00
A-00000019	NATUR ADVANCED HRT. 100MT. COSMAX	200 G	1,000.00	1	200,000.00
B-00000018	PARATUSTN PR SYR 60MT	100 G	1,000.00	3	33,333.33



GLOBAL PHARMA

PURCHASE ORDER

Frankfurt
Hesse
Germany
60325
494113686891

Time: 14:58:01
Date: 11.12.2024
PO No: 4600000147

Supplier

Delivery Address

Tecnimed Group
Estrada Nacional 3
Barquinha
Portugal
2005-080

Global Pharma - Bavaria
GPM Tower, 37 Frankfurt
Bavaria
Germany
60325

Delivery Date	Order Currency	Requested By	Department
12.12.2024	EUR	ZMMG4	Procurement Dept

Item	Description	Qty	Net Price	Per	Total
A-00000051	NEOSTRATA BIONIC FACE SER 30ML	100 G	2,000.00	1	200,000.00
A-00000021	NEOSTRATA BIONIC FACE SER 30MT	100 G	1,000.00	1	100,000.00
A-00000020	SUPER TETRA SC	300 G	5,000.00	3	500,000.00
A-00000019	NATUR ADVANCED HRT. 100MT. COSMAX	200 G	1,000.00	1	200,000.00
B-00000018	PARATUSTN PR SYR 60MT	100 G	1,000.00	3	33,333.33

Special Instructions
Check Success

TOTAL NET
VAT
TOTAL

1,033,333.33 EUR
152,000.00 EUR
1,185,333.33 EUR

Save and print as PDF in SAP GUI

4.3 REQUIREMENTS OF GOODS RECEIPT REPORT

- 01 View and print GR report on the system in Excel format.
- 02 Plant authorization for users to view only reports belonging to their assigned plant.
- 03 Automatically the plants the user is authorized to access.
- 04 Reversal Document: When a document is canceled, it will not be included in the GR reporting.

[illegible]

SCREEN FLOW



Tcode: ZMMR01

01

Retrieve filter parameters from the selection screen

02

Authorization Handling: Check user authorization for plant via the role ZZMM_RF_PLANT_1000.

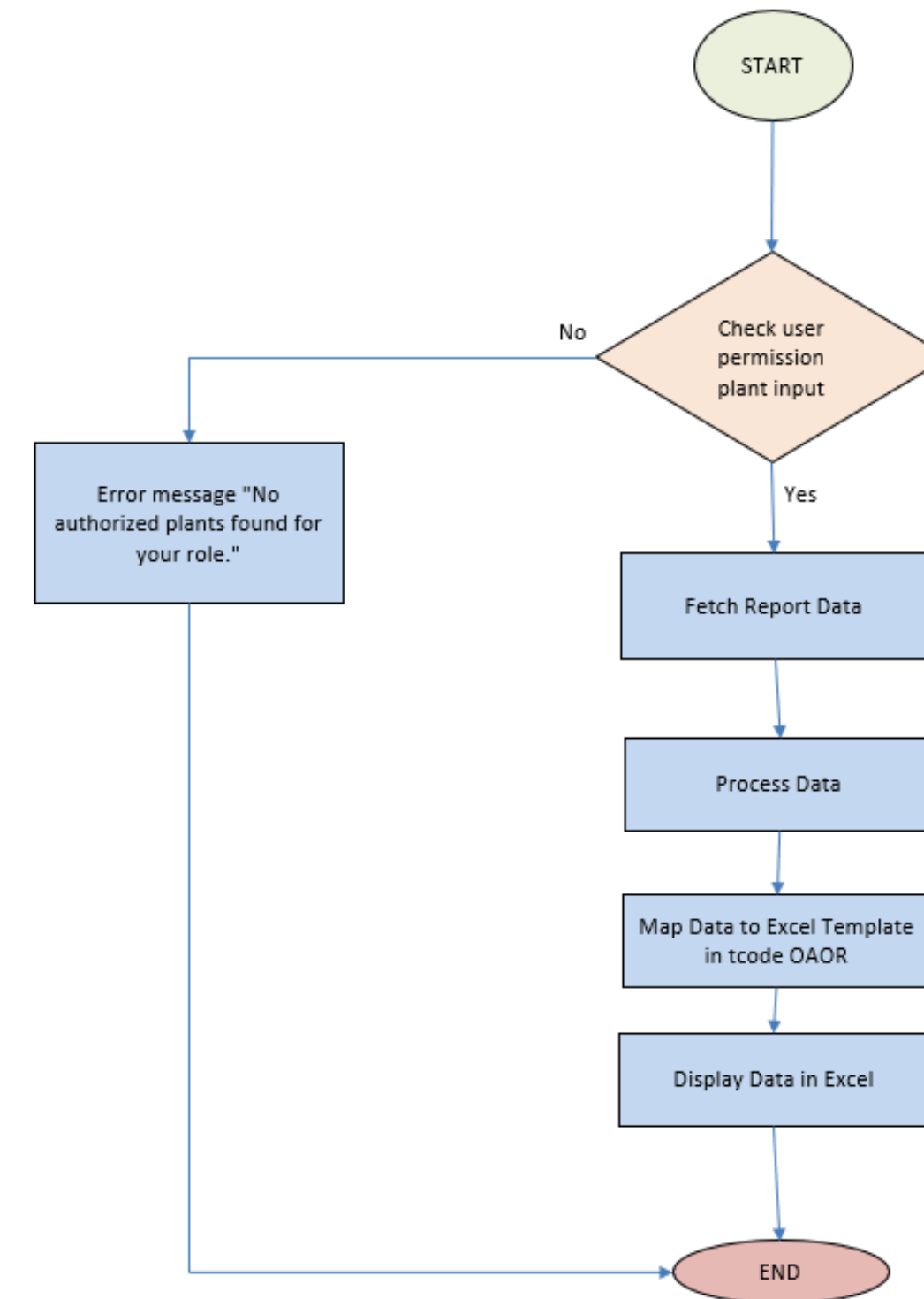
- Handle cases where the user does not have authorization

03

Filter data from the mseg, ekko, and ekpo tables based on user inputs.

04

Display Goods Receipt Report in Excel. It has downloaded in Excel.



USER INPUT GOODS RECEIPT REPORT

Table Name	Description
EKKO	Purchasing Document Item Data
MSEG	Material Document Data
T001	Company Code
LIPS	Delivery Document Item Data
ADRC	Address Data
USR05	User Parameter Values
MATDOC	Material Document and Reversal Status
AGR_USERS	Stores roles assigned to SAP users
AGR_1252	Stores authorization details for roles, including plant access
AGR_1251	Links roles to authorization objects

Goods Receipt Report: Selection

Selection Values

Plant

Storage Location

Material document

Material

Purchasing document

Delivery number

Purchasing document date

11/14/2024

Posting Date

to

to

to

to

to

12/31/2024

to

Selection Screen

AUTOMATICALLY SUGGEST AUTHORIZED PLANTS FOR USER

User assign for all plant:

Goods Receipt Report: Selection

Selection Values

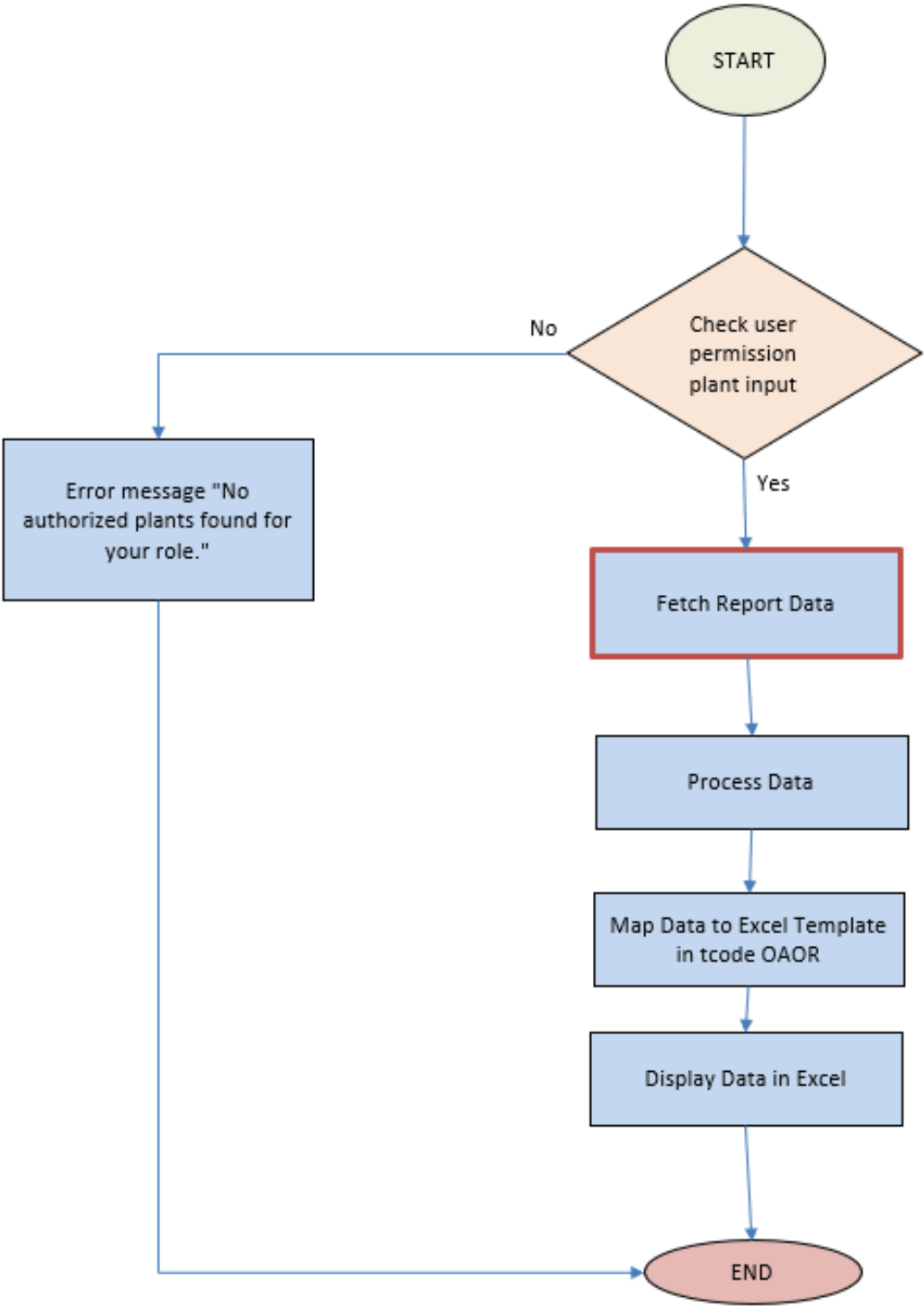
Plant	<input type="text"/>	to	<input type="text"/>
Storage Location	<input type="text"/>	to	<input type="text"/>
Material document	<input type="text"/>	to	<input type="text"/>
Material	<input type="text"/>	to	<input type="text"/>
Purchasing document	<input type="text"/>	to	<input type="text"/>
Delivery number	<input type="text"/>	to	<input type="text"/>
Purchasing document date	<input checked="" type="checkbox"/>	to	<input type="text"/>
Posting Date	<input type="text"/>	to	<input type="text"/>

User assign only plant 1000:

Goods Receipt Report: Selection

Selection Values

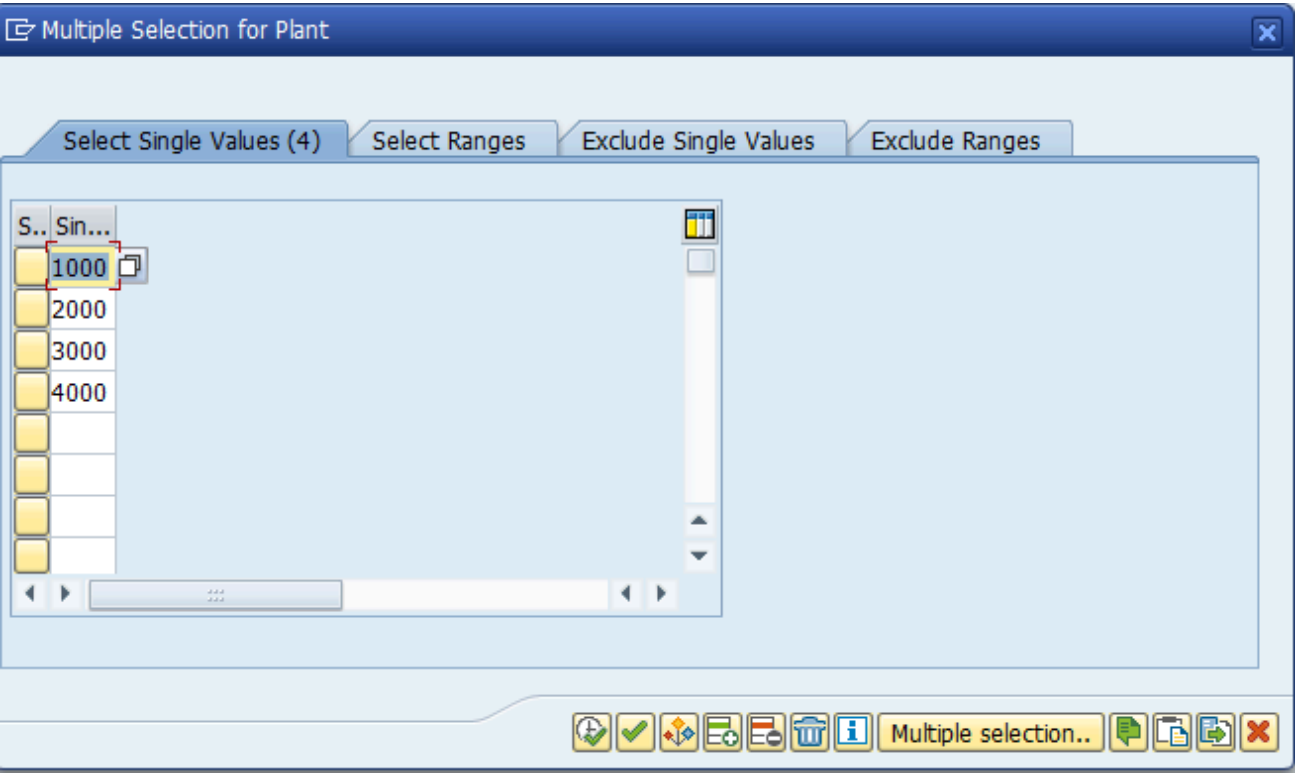
Plant	<input type="text" value="1000"/>	to	<input type="text"/>
Storage Location	<input type="text"/>	to	<input type="text"/>
Material document	<input type="text"/>	to	<input type="text"/>
Material	<input type="text"/>	to	<input type="text"/>
Purchasing document	<input type="text"/>	to	<input type="text"/>
Delivery number	<input type="text"/>	to	<input type="text"/>
Purchasing document date	<input checked="" type="checkbox"/>	to	<input type="text"/>
Posting Date	<input type="text"/>	to	<input type="text"/>



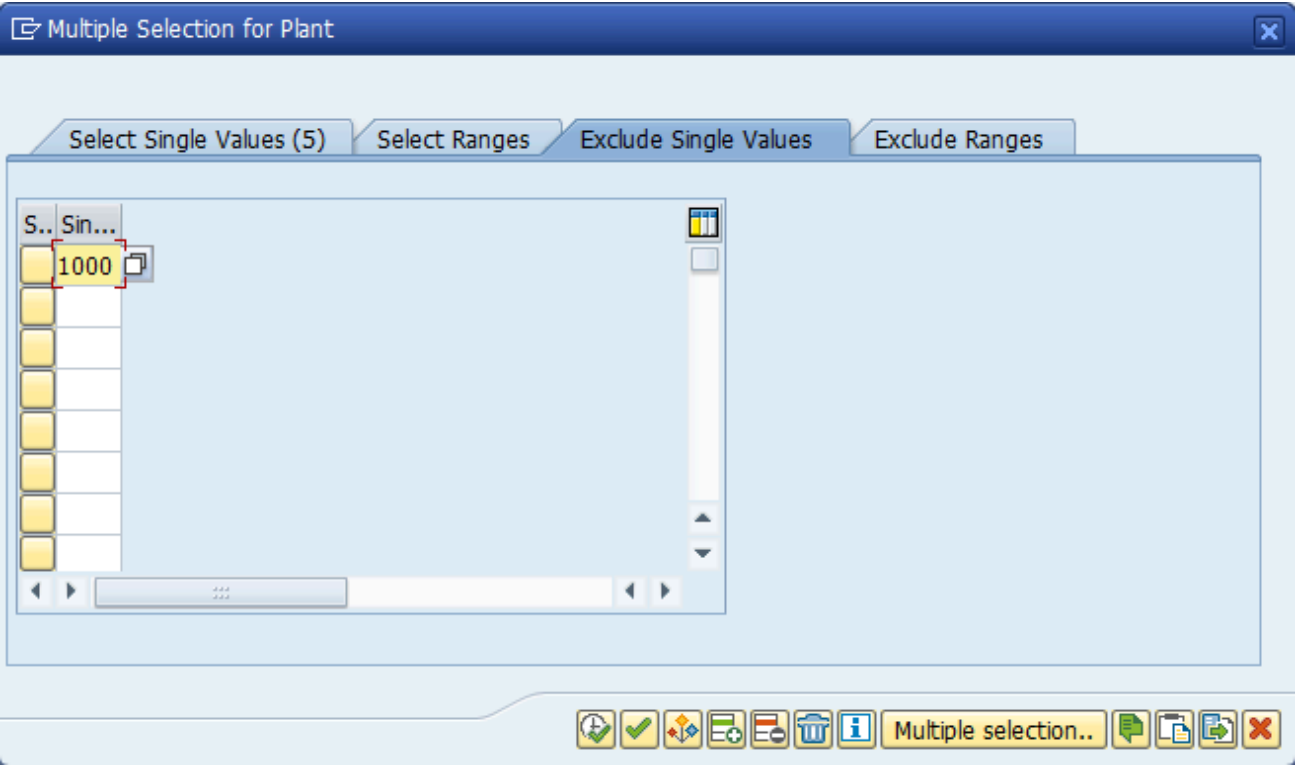
PLANT AUTHORIZATION

Context Solution Configure **Develop** Test

User assign for all plant:



The screenshot shows an Excel spreadsheet titled "Goods Receipt Report in Excel". The spreadsheet contains a table with the following columns: Material Document, Material Document Item, Plant, Storage Location, Batch, Quantity in Unit of Entry, Unit of Entry, Inbound Delivery, Inbound Delivery Item, Purchase Order, Purchase Order Date, Purchase Order Creator, Purchase Order Item, Material, Material description, PO Quantity, Order Unit, and Open PO quantity. The table is filtered for the date range 01-01-2024 to 31-12-2024.



The screenshot shows an Excel spreadsheet titled "Goods Receipt Report in Excel". The spreadsheet contains a table with the following columns: Material Document, Material Document Item, Plant, Storage Location, Batch, Quantity in Unit of Entry, Unit of Entry, Inbound Delivery, Inbound Delivery Item, Purchase Order, Purchase Order Date, Purchase Order Creator, Purchase Order Item, Material, Material description, PO Quantity, Order Unit, and Open PO quantity. The table is filtered for the date range 01-01-2024 to 31-12-2024.

DISPLAY GOODS RECEIVED REPORT

Goods Receipt Report in Excel

File Home Insert Page Layout Formulas Data Review View Automate Help

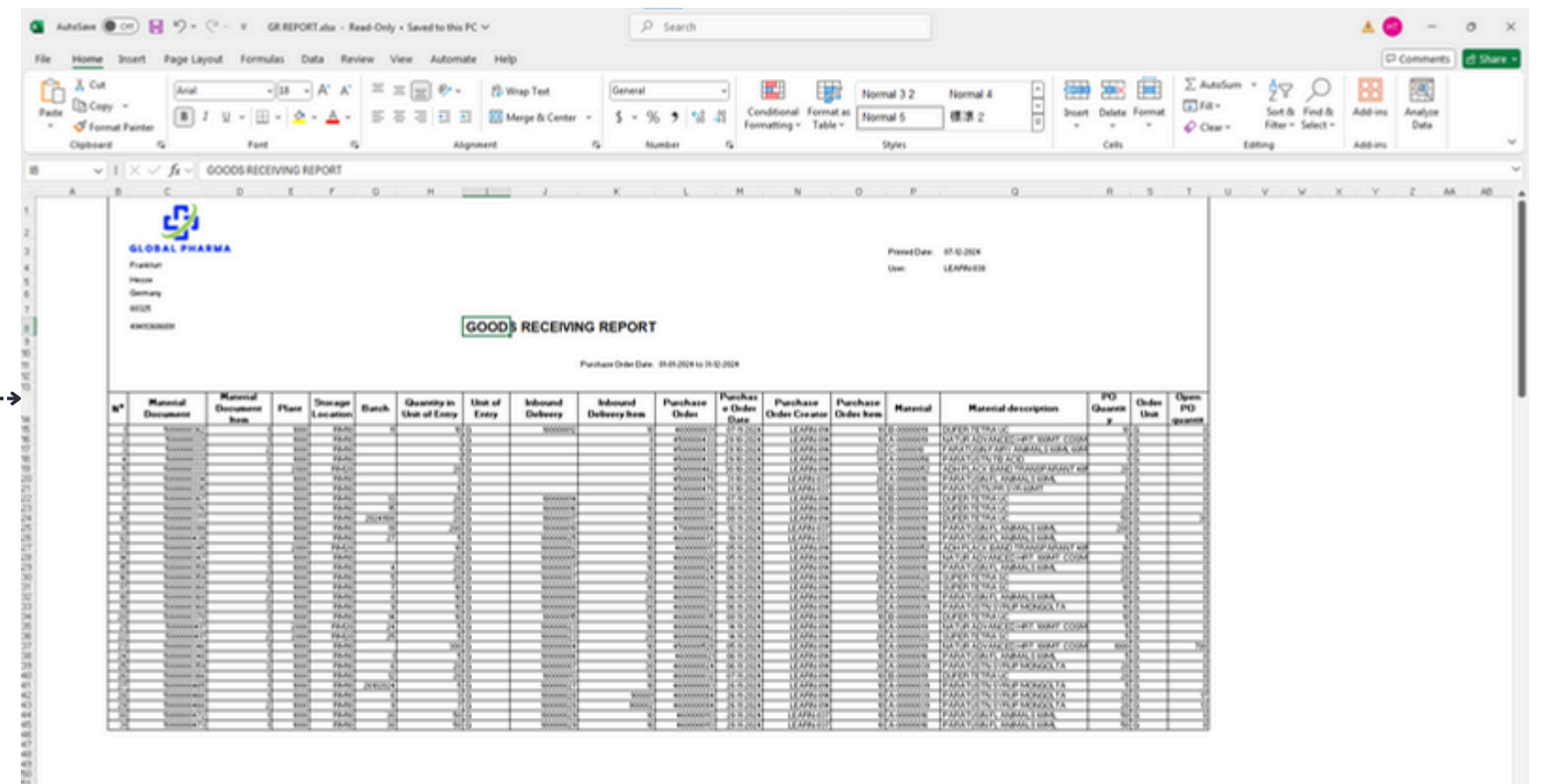
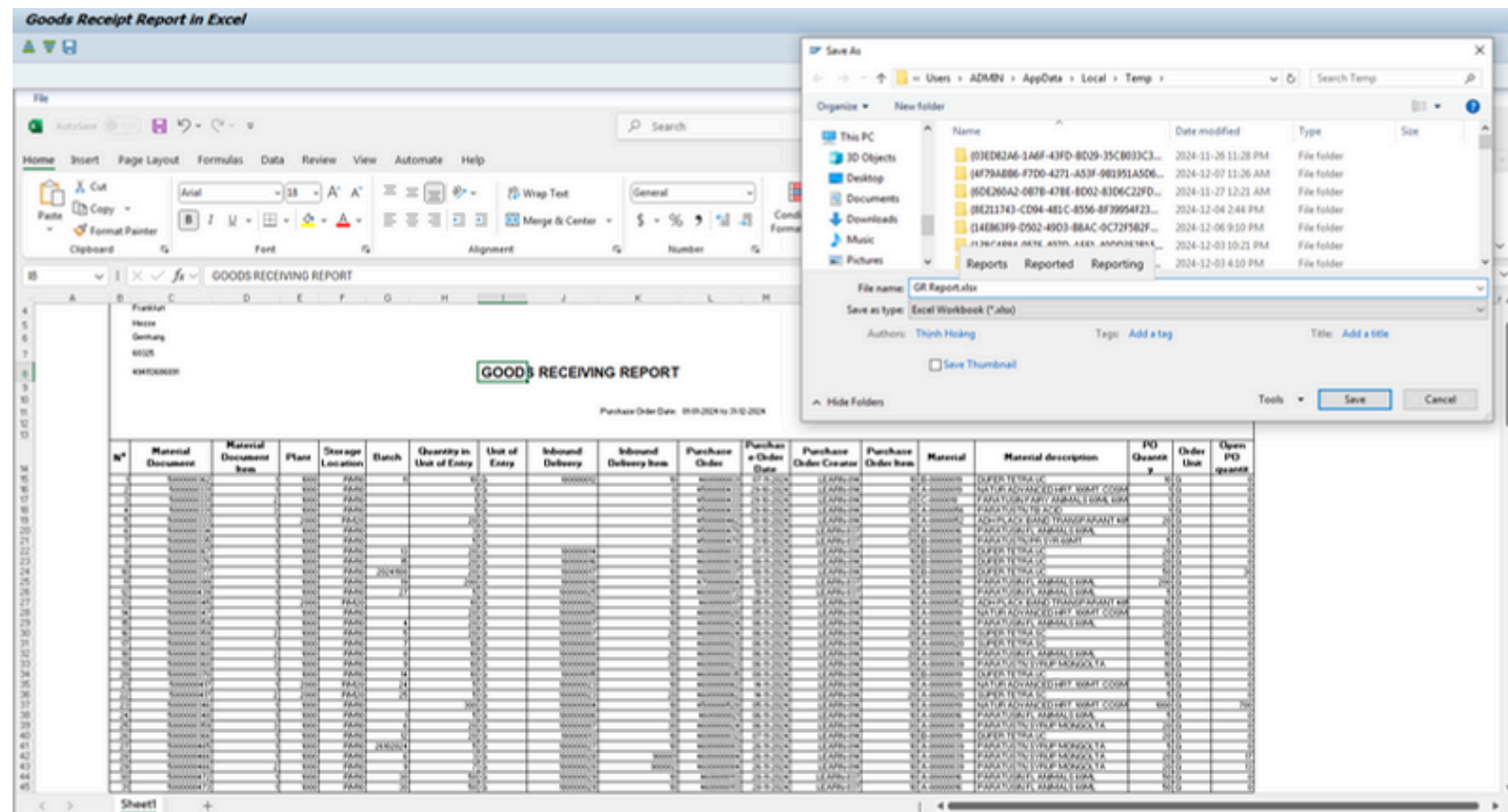
Clipboard Font Alignment Number Styles Cells Editing Add-ins

GOODS RECEIVING REPORT

Purchase Order Date: 01/01/2024 to 31/12/2024

N°	Material Document	Material Document Item	Plant	Storage Location	Batch	Quantity in Unit of Entry	Unit of Entry	Inbound Delivery	Inbound Delivery Item	Purchase Order	Purchase Order Date	Purchase Order Creator	Purchase Order Item	Material	Material description	PO Quantity	Order Unit	Open PO quantity
1	0000000001	0000000001	1000	0000		100	KG	0000000001		0000000001	01/01/2024	LEAPL000		0000000001	SUPER TETRA LC	100		
2	0000000002	0000000002	1000	0000		100	KG	0000000002		0000000002	01/01/2024	LEAPL000		0000000002	NATUR ADVANCED CHRT. BOMT. COOM	100		
3	0000000003	0000000003	1000	0000		100	KG	0000000003		0000000003	01/01/2024	LEAPL000		0000000003	PAPATUTIN FARMY ANMAL E LINA	100		
4	0000000004	0000000004	1000	0000		100	KG	0000000004		0000000004	01/01/2024	LEAPL000		0000000004	PAPATUTIN TETRA LC	100		
5	0000000005	0000000005	1000	0000		100	KG	0000000005		0000000005	01/01/2024	LEAPL000		0000000005	ASH PLACK BRAD TRANSPARANT 400	100		
6	0000000006	0000000006	1000	0000		100	KG	0000000006		0000000006	01/01/2024	LEAPL000		0000000006	PAPATUTIN FARMY ANMAL E LINA	100		
7	0000000007	0000000007	1000	0000		100	KG	0000000007		0000000007	01/01/2024	LEAPL000		0000000007	PAPATUTIN FARMY ANMAL E LINA	100		
8	0000000008	0000000008	1000	0000		100	KG	0000000008		0000000008	01/01/2024	LEAPL000		0000000008	SUPER TETRA LC	100		
9	0000000009	0000000009	1000	0000		100	KG	0000000009		0000000009	01/01/2024	LEAPL000		0000000009	SUPER TETRA LC	100		
10	0000000010	0000000010	1000	0000		100	KG	0000000010		0000000010	01/01/2024	LEAPL000		0000000010	SUPER TETRA LC	100		
11	0000000011	0000000011	1000	0000		100	KG	0000000011		0000000011	01/01/2024	LEAPL000		0000000011	SUPER TETRA LC	100		
12	0000000012	0000000012	1000	0000		100	KG	0000000012		0000000012	01/01/2024	LEAPL000		0000000012	PAPATUTIN FARMY ANMAL E LINA	100		
13	0000000013	0000000013	1000	0000		100	KG	0000000013		0000000013	01/01/2024	LEAPL000		0000000013	PAPATUTIN FARMY ANMAL E LINA	100		
14	0000000014	0000000014	1000	0000		100	KG	0000000014		0000000014	01/01/2024	LEAPL000		0000000014	ASH PLACK BRAD TRANSPARANT 400	100		
15	0000000015	0000000015	1000	0000		100	KG	0000000015		0000000015	01/01/2024	LEAPL000		0000000015	NATUR ADVANCED CHRT. BOMT. COOM	100		
16	0000000016	0000000016	1000	0000		100	KG	0000000016		0000000016	01/01/2024	LEAPL000		0000000016	PAPATUTIN FARMY ANMAL E LINA	100		
17	0000000017	0000000017	1000	0000		100	KG	0000000017		0000000017	01/01/2024	LEAPL000		0000000017	PAPATUTIN TETRA LC	100		
18	0000000018	0000000018	1000	0000		100	KG	0000000018		0000000018	01/01/2024	LEAPL000		0000000018	SUPER TETRA LC	100		
19	0000000019	0000000019	1000	0000		100	KG	0000000019		0000000019	01/01/2024	LEAPL000		0000000019	PAPATUTIN FARMY ANMAL E LINA	100		
20	0000000020	0000000020	1000	0000		100	KG	0000000020		0000000020	01/01/2024	LEAPL000		0000000020	PAPATUTIN FARMY ANMAL E LINA	100		
21	0000000021	0000000021	1000	0000		100	KG	0000000021		0000000021	01/01/2024	LEAPL000		0000000021	ASH PLACK BRAD TRANSPARANT 400	100		
22	0000000022	0000000022	1000	0000		100	KG	0000000022		0000000022	01/01/2024	LEAPL000		0000000022	NATUR ADVANCED CHRT. BOMT. COOM	100		
23	0000000023	0000000023	1000	0000		100	KG	0000000023		0000000023	01/01/2024	LEAPL000		0000000023	PAPATUTIN FARMY ANMAL E LINA	100		
24	0000000024	0000000024	1000	0000		100	KG	0000000024		0000000024	01/01/2024	LEAPL000		0000000024	PAPATUTIN TETRA LC	100		
25	0000000025	0000000025	1000	0000		100	KG	0000000025		0000000025	01/01/2024	LEAPL000		0000000025	SUPER TETRA LC	100		
26	0000000026	0000000026	1000	0000		100	KG	0000000026		0000000026	01/01/2024	LEAPL000		0000000026	PAPATUTIN FARMY ANMAL E LINA	100		
27	0000000027	0000000027	1000	0000		100	KG	0000000027		0000000027	01/01/2024	LEAPL000		0000000027	PAPATUTIN FARMY ANMAL E LINA	100		
28	0000000028	0000000028	1000	0000		100	KG	0000000028		0000000028	01/01/2024	LEAPL000		0000000028	ASH PLACK BRAD TRANSPARANT 400	100		
29	0000000029	0000000029	1000	0000		100	KG	0000000029		0000000029	01/01/2024	LEAPL000		0000000029	NATUR ADVANCED CHRT. BOMT. COOM	100		
30	0000000030	0000000030	1000	0000		100	KG	0000000030		0000000030	01/01/2024	LEAPL000		0000000030	PAPATUTIN FARMY ANMAL E LINA	100		
31	0000000031	0000000031	1000	0000		100	KG	0000000031		0000000031	01/01/2024	LEAPL000		0000000031	PAPATUTIN TETRA LC	100		
32	0000000032	0000000032	1000	0000		100	KG	0000000032		0000000032	01/01/2024	LEAPL000		0000000032	SUPER TETRA LC	100		
33	0000000033	0000000033	1000	0000		100	KG	0000000033		0000000033	01/01/2024	LEAPL000		0000000033	PAPATUTIN FARMY ANMAL E LINA	100		
34	0000000034	0000000034	1000	0000		100	KG	0000000034		0000000034	01/01/2024	LEAPL000		0000000034	PAPATUTIN FARMY ANMAL E LINA	100		
35	0000000035	0000000035	1000	0000		100	KG	0000000035		0000000035	01/01/2024	LEAPL000		0000000035	ASH PLACK BRAD TRANSPARANT 400	100		
36	0000000036	0000000036	1000	0000		100	KG	0000000036		0000000036	01/01/2024	LEAPL000		0000000036	NATUR ADVANCED CHRT. BOMT. COOM	100		
37	0000000037	0000000037	1000	0000		100	KG	0000000037		0000000037	01/01/2024	LEAPL000		0000000037	PAPATUTIN FARMY ANMAL E LINA	100		
38	0000000038	0000000038	1000	0000		100	KG	0000000038		0000000038	01/01/2024	LEAPL000		0000000038	PAPATUTIN TETRA LC	100		
39	0000000039	0000000039	1000	0000		100	KG	0000000039		0000000039	01/01/2024	LEAPL000		0000000039	SUPER TETRA LC	100		
40	0000000040	0000000040	1000	0000		100	KG	0000000040		0000000040	01/01/2024	LEAPL000		0000000040	PAPATUTIN FARMY ANMAL E LINA	100		
41	0000000041	0000000041	1000	0000		100	KG	0000000041		0000000041	01/01/2024	LEAPL000		0000000041	PAPATUTIN FARMY ANMAL E LINA	100		
42	0000000042	0000000042	1000	0000		100	KG	0000000042		0000000042	01/01/2024	LEAPL000		0000000042	ASH PLACK BRAD TRANSPARANT 400	100		
43	0000000043	0000000043	1000	0000		100	KG	0000000043		0000000043	01/01/2024	LEAPL000		0000000043	NATUR ADVANCED CHRT. BOMT. COOM	100		
44	0000000044	0000000044	1000	0000		100	KG	0000000044		0000000044	01/01/2024	LEAPL000		0000000044	PAPATUTIN FARMY ANMAL E LINA	100		
45	0000000045	0000000045	1000	0000		100	KG	0000000045		0000000045	01/01/2024	LEAPL000		0000000045	PAPATUTIN TETRA LC	100		
46	0000000046	0000000046	1000	0000		100	KG	0000000046		0000000046	01/01/2024	LEAPL000		0000000046	SUPER TETRA LC	100		
47	0000000047	0000000047	1000	0000		100	KG	0000000047		0000000047	01/01/2024	LEAPL000		0000000047	PAPATUTIN FARMY ANMAL E LINA	100		
48	0000000048	0000000048	1000	0000		100	KG	0000000048		0000000048	01/01/2024	LEAPL000		0000000048	PAPATUTIN FARMY ANMAL E LINA	100		

Preview GR Report in SAP GUI



Download GR Report in Excel: