

4.2.2d - Actual elements from SAP

- Actual consumption
- Actual Production
- Actual receipt (from PO)
- Actual receipt (from PO) with Source site
- Receipt value from PO
- Actual Shipped at GI date
- Invoiced quantity
-

Actual consumption

SAP Transaction **MB51** allow the user to view the Material Document List

MB51 > Mov. type 261 and 262

Material Document List											
Material	Material Description					Plant Name 1					
SLoc	MvT	S	Entry Date	Time	Order	Batch	Qty in	UnE	EUn	OUn	BUn
101460					RECOVERED IMS 94 BU		8335	6068	Oldbury (IO)		
SW01	261		27.11.2018	09:58:17	8415534	RM	976-	KG	KG		
SW01	261		20.11.2018	11:16:58	8392086	RM	977-	KG	KG		
SW01	261		20.11.2018	11:24:00	8404769	RM	977-	KG	KG		
SW01	261		20.11.2018	15:28:53	8404768	RM	976-	KG	KG		
SW01	261		14.11.2018	17:49:09	8404762	RM	870-	KG	KG		
SW01	261		12.11.2018	11:18:47	8404757	RM	703-	KG	KG		
SW01	261		12.11.2018	11:21:36	8404759	RM	977-	KG	KG		
SW01	261		12.11.2018	11:25:49	8370418	RM	977-	KG	KG		
SW01	261		09.11.2018	18:21:44	8392084	RM	1.179-	KG	KG		
SW01	261		05.11.2018	10:41:15	8392081	RM	6.200,788-	KG	KG		
* Total							RECOVERED IMS 94 BU		14.812,788- KG		
** Total							14.812,788- KG				

I403 - Actuals (day) - Actual consumption wo resource			
22019x30 / 0	Start	End	Data fields
SKU	15/11/18	15/11/18	Actual consumption wo resource [KG]
	20/11/18	20/11/18	14 700
	26/11/18	26/11/18	1 400
	26/11/18	26/11/18	3 500
101460R@8335R	05/11/18	05/11/18	6 201
	09/11/18	09/11/18	1 179
	12/11/18	12/11/18	2 657
	14/11/18	14/11/18	870
	20/11/18	20/11/18	2 930
	27/11/18	27/11/18	976

Total = 14 813

Actual Production

SAP Transaction **MB51** allow the user to view the Material Document List

We take the following Movement types :

System source	Movement type	Comment
WP1	Movement type = 101 and Special procurement type = F	
	Movement type = 102 and Special procurement type = F	
	Movement type = 531	
	Movement type = 532	
	Movement type = 545	
	Movement type = 546	

PF1	Movement type = 101 and Special procurement type = F Movement type = 102 and Special procurement type = F Movement type = 131 Movement type = 132 Movement type = 531 Movement type = 532 Movement type = 545 Movement type = 546
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Material	Material Description	Plnt Name 1														
SLoc	MvT	S Mat.	Doc.	Item	Pstng Date	Quantity	BUn	User Name	Entry Date	Time	Reserv. no.	Recipient	Cost Ctr	Order	Batch	Vendor PO
100614				SIPOMER COPS-2	200KG PLASTIC DRUM	7897	7811	Zhenjiang								
4100	101		4931876901	1	27.02.2019	8.400	KG	XLCHEN2	27.02.2019	09:01:25			8495958		ZJ19B2611	
4100	101		4931876904	1	27.02.2019	1.200	KG	XLCHEN2	27.02.2019	09:02:03			8495959		ZJ19B2612	

MB51

I402 - Actual (month with res dim) - Actual production plan (INT) with res dim				
SKU	Resource	Start	End	Data fields
94938x264x25 / 0				Actual production plan (INT) with res dim [KG]
		M01-2019	M01-2019	55 429
		M02-2019	M02-2019	18 054
		M03-2019	M03-2019	36 525
		M04-2018	M04-2018	19 333
100546R@7897R	APZSSP@7897R	M02-2018	M02-2018	12 000
100614R@7897R	APWH@7897R	M04-2018	M04-2018	40 820
		M06-2018	M06-2018	24 200
		M07-2018	M07-2018	10 000
		M08-2018	M08-2018	16 800
		M09-2018	M09-2018	19 200
		M10-2018	M10-2018	8 400
		M12-2018	M12-2018	4 800
		M01-2019	M01-2019	7 200
		M02-2019	M02-2019	9 600
100982R@7897R	APWH@7897R	M01-2018	M01-2018	9 000

In DynaSys we take the production volumes at "Production line" level (Resource / Workcenter level is more destined to Costing, Quality and Scheduling in tools like SAP MF50, Ortems or Aspen).

In SAP:

- > 1 Planned Order is linked to 1 'Production version', this last linked in turn to one 'Production line'
- > However, 1 Production version 'can be linked to several resources

This decision is based on SAP Design: the 'Production line' in the 'Production version' corresponds to the bottleneck resource among all resources used in the production version.

By SAP Design, this 'Production line' should be always defined.

In some cases, the resources can have the same name than the 'Production line' (when we have only one resource linked to the Prod line).

SAP Transaction C223 allow the user to view the Production line defined for the Material / Plant.

In some cases, as there is no specific blocking control to guarantee it's defined, users might need to maintain it in SAP.

Actual receipt (from PO)

SAP Transaction MB51 allow the user to view the Material Document List

Material Document List

MB51



Material	Material Description	Plant Name 1
SLoc MvI S Entry Date Time	Order	Batch
Qty in UnE EUn OUn BUn Mat. Doc.	Item	User Name
101455	ALBRITECT PM1 :235KG PL DRUM (4)	7789 7418 / Osaka Port
0001 101 22.10.2018 07:24:57	TPAW11H2	3.760 KG KG KG 5021975793 1 YNAKAJIT
* Total		ALBRITECT PM1 :235KG PL DRUM (4)
		3.760 KG

SKU	Start	End	Data fields
101454R@7512R	M10-2017	M10-2017	I402 - Receipt history from PO [K 25
101455R@7789R	M01-2017	M01-2017	3 760
	M10-2017	M10-2017	3 760
	M10-2018	M10-2018	3 760

We take the following Movement types :

System source	Movement type	Comment
WP1	Movement type = 101 and Special procurement type <> F Movement type = 102 and Special procurement type <> F Movement type = 545 Movement type = 546	
PF1	Movement type = 101 and Special procurement type <> F Movement type = 102 and Special procurement type <> F Movement type = 545 Movement type = 546	

Actual receipt (from PO) with Source site

Standard PO 4503680224 Created by Fadila Benachich

Document Overview On | Print Preview | Messages | Personal Setting

Standard PO 4503680224 Vendor 95144 SOLVAY USA INC./O CHEMPAK Doc. date 11. 07. 2019

S..	Itm	I	Material	Short Text	PO Quantity	OU n	C Delv. Date	Net Price	Curr...	Per	OPU	Matl Group	Plnt	Purch.Req.	Batch	Stor
	10		101544	AGUAR HP 105 25KG CAR	5.400	KG	D 30. 08. 2019	632,51	USD	1.000	LB	0450	7667	314269		

I402 - Actuals (site) - I402 - Receipt hist from PO with Source site

SKU	Site	Start	End	I402 - Receipt hist from PO with Source site [KG]
94938x32106x25 / 0		M06-2019	M06-2019	9 000
101544R@7667R	7900R	M01-2018	M01-2018	3 000
		M02-2018	M02-2018	2 500
		M04-2018	M04-2018	5 150
		M05-2018	M05-2018	2 700
		M08-2018	M08-2018	2 750
		M10-2018	M10-2018	1 400
		M11-2018	M11-2018	8 100
		M01-2019	M01-2019	2 700
		M02-2019	M02-2019	5 400
		M04-2019	M05-2019	5 400
		M06-2019	M07-2019	2 700
		M08-2019		5 400
				500

Shipping Point: 7900

Del. Prior.: 2

Shp. Cond.: AE

Loading Group: 0001

Trans. Group: 0001

Route: US4134

Sea FCL Unloading Pt: Standard

Order Combinat.: Order Combinat.

Shipping Type: 84787

Customer: RHODIA OPERATIONS S.A. - ANTWERPEN

Unloading Point:

Company: Cross Comp

Ref: Retail

Receipt value from PO

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I402 - Actuals (month) - I402 - Receipt history from PO

SKU	Start	End	I402 - Receipt history from PO [KG]
100220R@0294R	M05-2018	M05-2018	4 601
100622R@0294R	M01-2019	M01-2019	3 447
	M03-2019	M03-2019	3 447

Material Document List

MB51

Material	Material Description	Plnt Name 1
100220	SOPROPHOR TS 10	0294 7424 / Sunland Greenville
0294 101	5021302165 3 08.05.2018	10.143 LB
		DKERNS 09.05.2018 00:45:21
		SP8E04X15

Actual Shipped at GI date

SAP Transaction **MB51** allow the user to view the Material Document List

I402 - Actuals (site) - I402 - Actual shipped at GI (INT) - site dim

SKU	Site	Start	End	Data fields
41602x32507x25 / 0				I402 - Actual shipped at GI (INT) - site dim [KG]
		M03-2018	M03-2018	1 000
100687R@8172R	2043553R	M01-2018	M01-2018	16 800
100821S@LHCIS	BBAIS	M01-2018	M01-2018	100

Material Document List

MB51

Material	Material Description	Plant	Name 1	Reserv. no.	Recipient	Cost Ctr	Order	Batch	Vendor PO	Val. Type	Amt. in loc. cur.	Sales Ord
100687	ZEOSIL 1165MP BB 700 KG /HOMOLOGATION	S172	6268 Wlclawek									
EXTF 601	4929413250 1 19.01.2018	16.800- KG	LPIATKOW	19.01.2018	16:52:24	0002043553	6268-9200	PEI30AZB11			40.677,68-	

Invoiced quantity

SAP Transaction **VL03N** allow the user to view the Document Flow

Document Flow

VL03N

Business partner 0000070708 BASF S/A
 Material 000000000000095808 SOPROPHOR FLK 200 KG PLASTIC DRUM

1002 - Independent demand Imported datas (month) - 1002 Invoiced quantity

SKU	Start	End	Data fields
47076x43 / 0			1002 Invoiced quantity [KG]
143509R@2055153R	M04-2018	M04-2018	4 536
143509R@2055275R	M04-2018	M04-2018	1 814
143648R@2055911R	M04-2018	M04-2018	1 100
143664R@2057468R	M04-2018	M04-2018	390
143664R@2057468R	M08-2018	M08-2018	390
143912R@2049678R	M08-2018	M08-2018	4 899
143912R@2054284R	M05-2018	M05-2018	9 798
144258R@2051325R	M04-2018	M04-2018	10 000
147389R@2059748R	M03-2018	M03-2018	9 072
150273R@77972R	M05-2018	M05-2018	8 000
21333R@2008256R	M01-2018		4 200
41479R@2004000R	M04-2018	M04-2018	19 133
42191R@2023480R	M04-2018	M04-2018	798
48853R@2042432R	M06-2018	M06-2018	450
52557R@2004174R	M03-2018	M03-2018	2 940
53321R@2031946R	M04-2018	M04-2018	6 677
69763R@2025815R	M03-2018		20 000
69765R@54130R	M01-2018		20 000
84160R@2049019R	M04-2018	M04-2018	2 504
95808R@70708R	M06-2018	M06-2018	12 800