

Q-1-What does the term "Shelf Life" of a material mean?

A-1-Shelf life items are products that are effective, useful or suitable for consumption for a limited time period. They are expected to deteriorate or become unstable to the degree that a storage period must be assigned to assure that the material will perform satisfactorily in service. In short, the item spoils or will not perform its intended function for the customer after long-term, or even short-term, storage. All of these shelf life items are recognized for their sensitivity to light, temperature, moisture or handling. Packaging deterioration and improper storage or preservation can also adversely affect shelf life.

Q-2-What are "shelf life" items?

A-2- Shelf life is that length of time that chemical, rubber product, oil, Adhesive, any other item defined by user, food, drink, medicine and other perishable items are given before they are considered unsuitable for sale or consumption. In some regions, a best before, use by or freshness date is required on packaged perishable foods.

Shelf life is the time that products can be stored, during which the defined quality of a specified proportion of the goods remains acceptable under expected conditions of distribution, storage and display.

Shelf life is different from expiration date; the former relates to food quality, the latter to food safety. Pharmaceuticals are similar. Regulations can restrict the sale and use of pharmaceuticals which have exceeded their expiration date.

Q-3-How can I ensure the shelf life of the material I purchase? Please explain how shelf life is configured for an item in SAP MM?

A-3- In SAP R/3 the expiration date is based on the production date and the total shelf life. This refers for purchased materials (the date of production is entered at goods receipt), as well as internal production of materials (date of production from a process order). The shelf life of a material is a fixed time span in the material master and cannot be defined on the batch level. In SAP R/3, **the production date is defined as the date of goods receipt from a production order.**

In simple terms SAP Batch Handling means an additional key fields for users to identify the same materials.

For e.g. Normal Control: Plant + Material + Storage Location

Batch Handling: Plant + Material + Storage Location + Batch Number

The structure of the material master record allows you to manage stocks of a material by value at plant level or company-code level and by quantity down to storage-location level. Under certain conditions, you may need to make further subdivisions for a material and manage batches".

Material Edit Goto Environment System Help

Display Material 2020050501 (GAIL -Spares)

Additional Data Org. Levels

MRP 4 Plant data / stor. 1 Plant data / stor. 2 Quality management

Material: 2020050501 J/P/LP DOSING PUMP COMPLETE ASSEMBLY

Plant: 3012 NG Comp Stn - Vaghoda

Stor. Loc.: 00MR O & M Store

General data

Base Unit of Measure	EA	each	Unit of issue	
Storage Bin			Picking area	
Temp. conditions			Storage conditions	
Container reqmts			Haz. material number	
CC phys. inv. ind.		<input type="checkbox"/> CC fixed	Number of GR slips	0
Label type		<input type="checkbox"/> Lab.form	<input type="checkbox"/> Appr.batch rec. req.	
<input type="checkbox"/> Batch management				

Shelf life data

Max. storage period	0	Time unit	
Min. Rem. Shelf Life	0	Total shelf life	0
Period Ind. for SLED	D	Rounding rule SLED	
Storage percentage	0		

SAP MM03 pdripsap1 INS 11:28 AM

SAP Logon 730 Display Material 20... Material Master Vi... Inbox - dimeshkbell... Untitled - Message... New Microsoft Wo... BIS-MM

Q-4-If by an error shelf life date entered in GR how can I change / modify the incorrect shelf life date with correct shelf life date of material in stock?

Q-5- How can I enter shelf life date for two or more batches of same item in stock?

Q-6- How can I retrieve a set period auto warning message from system before end of shelf life of a particular item in stock?

Q-7-How can I retrieve a periodically report of all shelf life material in stock in plant / plants?

Q8-How to resolve error message S:YM01:133?

Goods Receipt Purchase Order - DHIRUBHAI PARMAR

GR goods receipt 101

Only Part1
Excise Group 64

Line	St...	Mat. Short Text	OK	Qty in UnE	E...	Sloc	Profit Center	Batch	Valuation ...	M...	D Stock Type	Pnt
1	✓	SULPHURIC ACID, 98%, GRADE IS 266	✓	10,070	KG	O & M Store	6040	1			101 + Quality ins...	LPG Unit...

Message box content:

Typ	Item	Message text	Text
1		Latest possible delivery date was 10.08.2016	
1		S:YM01:133	

Plant: LPG Unit - Gandhar 6040
Storage Location: O & M Store ONMR
Goods recipient: 156
Unloading Point: OPRN - Control Room

A8- User may contact to BIS-MM team to maintain shelf life of a material code w.r.t. plant.

BIS-MM team shall maintain material code w.r.t. plant via t-code SM30-> YRMA_SHELF_L_PLT / t-code YRMX020.

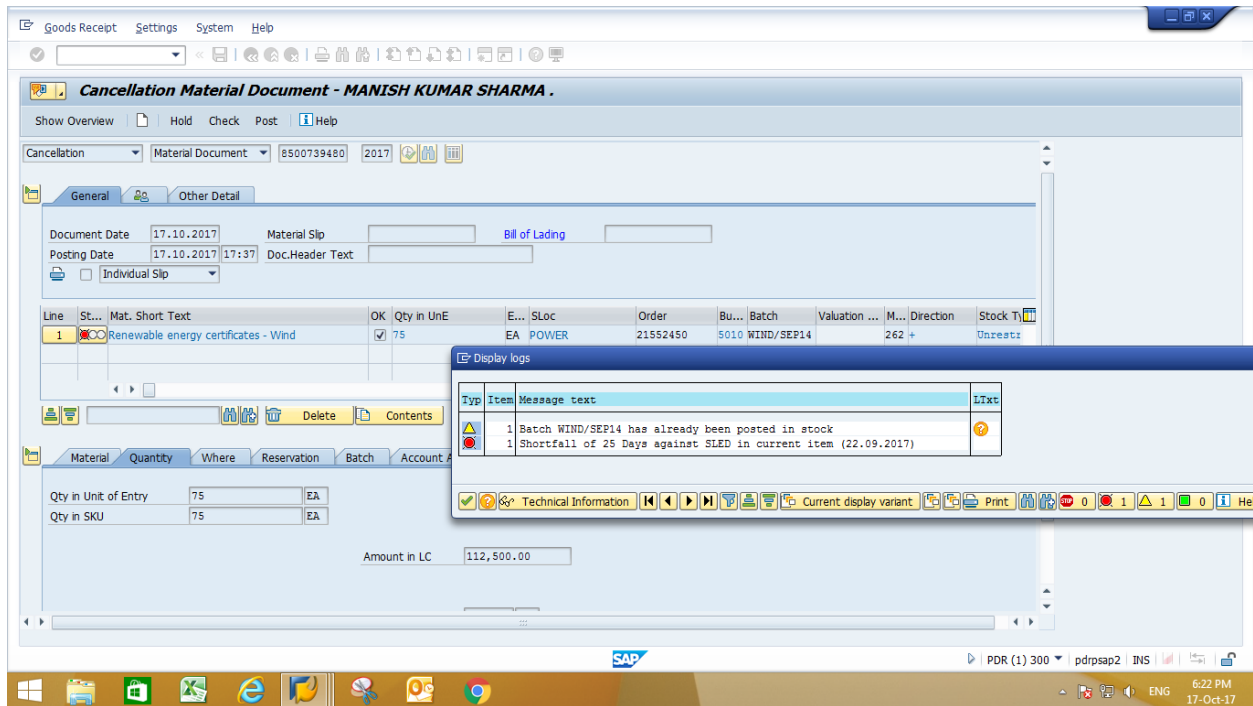
Change View "Shelf Life of Plant": Overview

New Entries

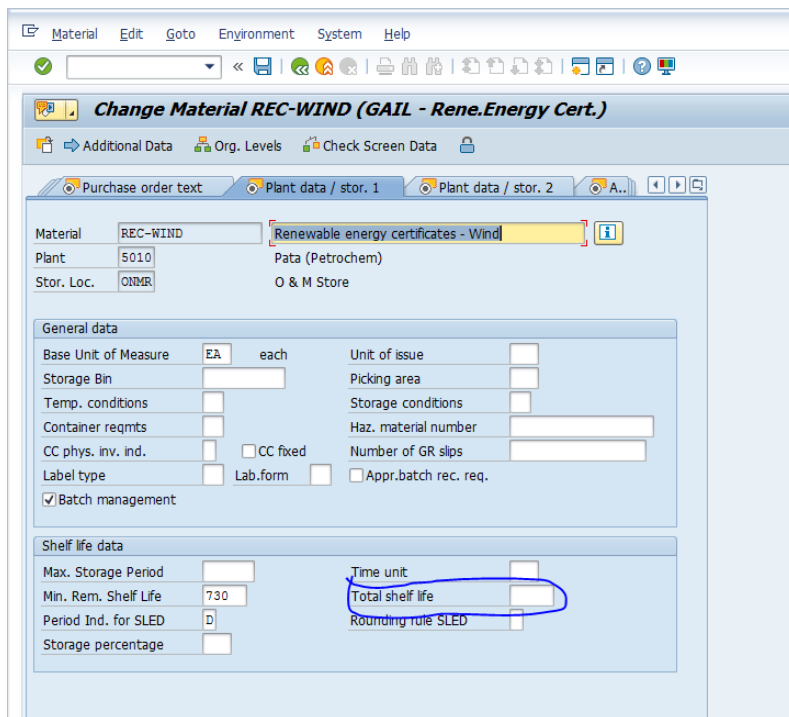
Plant	Material	Min. Shelf Life	User Name	Creation D...	Remarks
3013	8801634023	270	00001640	17.08.2016	BATCH MANAGEMENT FOR PATA
3013	8822260303	270	00001640	17.08.2016	BATCH MANAGEMENT FOR PATA
3015	1362252363	270	00001640	17.08.2016	BATCH MANAGEMENT FOR PATA
3015	8801634023	270	00001640	17.08.2016	BATCH MANAGEMENT FOR PATA
3015	8822260303	270	00001640	17.08.2016	BATCH MANAGEMENT FOR PATA
3015	1362252363	270	00001640	17.08.2016	BATCH MANAGEMENT FOR PATA
5010	5332011303	270	00001640	17.08.2016	BATCH MANAGEMENT FOR PATA
5010	6493638313	365	00001640	17.08.2016	BATCH MANAGEMENT FOR PATA
5010	6493906023	365	00001640	17.08.2016	BATCH MANAGEMENT FOR PATA
5010	6810805503	270	00001640	17.08.2016	BATCH MANAGEMENT FOR PATA
5010	8188423023	1,825	00001640	17.08.2016	BATCH MANAGEMENT FOR PATA
5010	8188423263	1,825	00001640	17.08.2016	BATCH MANAGEMENT FOR PATA
5010	8188423333	1,825	00001640	17.08.2016	BATCH MANAGEMENT FOR PATA
5010	8188423353	1,825	00001640	17.08.2016	BATCH MANAGEMENT FOR GAIL PATA
5010	8801630204	270	00001640	17.08.2016	BATCH MANAGEMENT FOR PATA
5010	8801631353	270	00001640	17.08.2016	BATCH MANAGEMENT FOR PATA
5010	8801633203	365	00001640	17.08.2016	BATCH MANAGEMENT FOR PATA
5010	8801634023	365	00001640	17.08.2016	BATCH MANAGEMENT FOR PATA
5010	8801634503	1,825	00001640	17.08.2016	BATCH MANAGEMENT FOR PATA
5010	8801634513	1,825	00001640	17.08.2016	BATCH MANAGEMENT FOR PATA

Position... Entry 1 of 154

Q9- How to resolve error of 25 days against SLED in current item (22.09.2017)?



.Ans- Increase the MM02→ Plant data/ Stor 1→ increase total self life→ do GR and Reset.



Shelf life Expiration date Process:

In the present system, check for shelf life expiry triggers if there is entry in the Material Master → Plant data/ stor.1 → Batch management is ticked, Min. Rem. Shelf Life and Total shelf Life

System calculates Min Rem. Shelf life date and days = (Date of manufacture (01.11.2022) + Total shelf Life in days (100)) – Actual Receipt Date (20.12.2022) = 52 days

Also it is required to maintain Min. Rem. Shelf Life in the material master otherwise system issues error “ Pls maintain plant wise Min. Rem. Shelf Life of matl. in material master.”.

For example, Min. Rem. Shelf Life maintained in material master = 60 days

If System calculated Min Rem. Shelf life days (52) is less than the Min. Rem. Shelf Life (60) in maintained in material master.

System will calculate 60 days -52 days = 8 days of short fall as warning message.

If user keeps SLED/BBD blank in GR then system calculates automatically and updates in MCH1 table = Date of manufacture (01.11.2022) + Total shelf Life in days (100) = 09.02.2023

If user enters SLED/BBD system calculates automatically, display warning message and updates in MCH1 table as well as GR screen after posting the GR = Date of manufacture (01.11.2022) + Total shelf Life in days (100) = 09.02.2023

System sends auto reminder to C&P store officers through YRMR115 based on the Shelf life expiration date (SLED/BBD) available in the MCH1 table.

Material 4522010164 (GAIL - Stores)

Plant 5010 Pata (Petrochem)

Stor. Loc. ONMR O & M Store

Forecasting Plant data / stor. 1 Plant data / stor. 2 Quality ...

Material 4522010164 L, BL, RF, CS, A105, 150, 1 1/2 IN

Plant 5010 Pata (Petrochem)

Stor. Loc. ONMR O & M Store

General data

Base Unit of Measure EA each Unit of issue

Storage Bin Picking area

Temp. conditions Storage conditions

Container reqmts Haz. material number

CC phys. inv. ind. CC fixed Number of GR slips 0

Label type Lab. form Appr. batch rec. req.

☒ Batch management

Shelf life data

Max. Storage Period Time unit

Min. Rem. Shelf Life 60 Total shelf life 100

Period Ind. for SLED Rounding rule SLED

Storage percentage 0

Goods Receipt Settings System Help

Goods Receipt Purchase Order 5100001453 - Manas Ranjan Sethi

Hide Overview Hold Check Post Help

My Documents

Purchase Orders

5100001453

5700018704

5200001402

5700018713

5800000493

5800000492

5300015520

5300015542

5300015538

5700018363

Orders

Bank

Reservations

741280

740875

740869

740862

740863

739900

739635

738926

738914

738927

Material Documents

9400000637

8600000180

9400000636

9400000633

9400000234

9400000632

9400000387

9300001367

9400000630

9400000562

Hold Data

9400002312

5800000479

General Vendor Other Detail

Document Date 19.12.2022 Delivery Note TEST Supplier ALLWEILER AG

Posting Date 19.12.2022 13:59 Bill of Lading TEST Header Text test

Collective Slip

Line	St...	Mat. Short Text	OK	Qty in Unit	E...	S... Sloc	Profe Center	Batch	Valuation ...	M...	D Stock Type	Plst
1	X	L, BL, RF, CS, A105, 150, 1 1/2 IN		1	EA	O & M Store	5010			101 + 2	Quality 1..	Pata (Pet

Display logs

Typ	Icon	Message Text	ITXT
1		Enter Batch	

Material / Quantity Where Purchase Order Data Partner Batch Freight Account Assignment Other Detail

Qty in Unit of Entry 1 EA

Qty in SKU 1 EA

Qty in Delivery Note 1.000

Quantity Ordered 2 EA

No. Containers

Item OK Line 1

Goods ReceiptSettingsSystemHelp

Goods Receipt Purchase Order 5100001453 - Manas Ranjan Sethi

Hide OverviewHoldCheckPostHelp

A01 Goods ReceiptR01 Purchase OrderPlantGR goods receipt101

GeneralVendorOther Detail

Document Date19.12.2022Delivery NoteTESTSupplierALLWEILER AGPosting Date19.12.202213:55Bill of LadingTESTHeaderTexttest3 Collective Slip

Line	St...	Mat. Short Text	OK	Qty in UnE	E...	S...	SLoc	Profit Center	Batch	Valuation ...	M...	D Stock Type	Plnt
1		PL,BL,RF,CS,A105,150,1 1/2BN	<input checked="" type="checkbox"/>	1		EA	O & M Store	5010			101	2 Quality 1 -	Para (Per

Display logs

Typ	Icon	Message Text	LTxt
		1 Batch YU-1234 of material 4522010164 was delivered by vendor 102000080	
		1 Enter the date of production	

MaterialQuantityWherePurchase Order DataPartnerBatchFreightAccount AssignmentOther Detail

BatchYU-1234Vendor BatchDate of ManufactureSLED/BBD

Item OKLine1

My Documents

Purchase Orders

5100001453570001870452000014025700018713580000049358000004925300015520530001554253000155385700018363

Orders

Blank

Reservations

741280740875740869740862740863739900739635738926738914739927

Material Documents

9400000637860000018094000006369400000633940000023494000006329400000387930000138794000006309400000562

Held Data

94000023125800000479

SAP

Goods ReceiptPurchase Order 5100001453 - Manas Ranjan Sethi

Hide OverviewHoldCheckPostHelp

My Documents

Purchase Orders

5100001453

5700018704

5200001402

5700018713

5800000493

5800000492

5300015520

5300015542

5300015538

5700018363

Orders

Blank

Reservations

741280

740875

740869

740862

740863

739900

739635

738926

738914

738927

Material Documents

9400000639

9400000640

9400000638

9400000637

8600000180

9400000636

9400000633

9400000234

9400000632

9400000387

Held Data

5400002312

5800000479

A01 Goods ReceiptR01 Purchase OrderPlantGR goods receipt101

GeneralVendorOther Detail

Document Date20.12.2022Delivery NoteTESTSupplierALLWEILER AG

Posting Date20.12.202214:28Bill of LadingTESTHeaderTexttest

☐ 3 Collective Slip

Line	St...	Mat. Short Text	OK	Qty in UnE	E...	SLoc	Profit Center	Batch	Valuation ...	M...	D Stock Type	Plnt
1		FL,BL,RF,CS,A105,150,1 1/2IN	<input checked="" type="checkbox"/>	1	EA	O & M Store	5010	T0-12341		101	+ 2 Quality i...	Pata (Petro...

Information

Please maintain plant wise Min. Rem. Shelf Life of matl. in material master.

DeleteContents

MaterialQuantityWherePurchase Order DataPartnerBatchFreightAccount AssignmentOther Detail

Movement type101GR goods receiptStock type2 Quality inspect...

PlantPata (Petrochem)5010

Storage LocationO & M StoreOINR

Goods recipient104

Unloading Point

Text

Item OKLine1

SAP

Goods ReceiptPurchase Order 5100001453 - Manas Ranjan Sethi

Hide OverviewHoldCheckPostHelp

My Documents

Purchase Orders

5100001453

57000018704

5200001402

57000018713

5800000493

5800000492

53000015520

53000015542

53000015538

57000018363

Orders

Blank

Reservations

741280

740875

740869

740862

740863

739900

739635

738926

738914

738927

Material Documents

9400000639

9400000640

9400000638

9400000637

8600000180

9400000636

9400000633

9400000234

9400000632

9400000387

Held Data

5400002312

5800000479

A01 Goods ReceiptR01 Purchase OrderPlantGR goods receipt101

GeneralVendorOther Detail

Document Date20.12.2022Delivery NoteTESTSupplierALLWEILER AG

Posting Date20.12.202214:33Bill of LadingTESTHeaderTexttest

☐ 3 Collective Slip

Line	St...	Mat. Short Text	OK	Qty in UnE	E...	SLoc	Profit Center	Batch	Valuation ...	M...	D Stock Type	Plnt
1		FL,BL,RF,CS,A105,150,1 1/2IN	<input checked="" type="checkbox"/>	1	EA	O & M Store	5010	YU-12341		101 + 2	Quality i...	Pata (Petro...

Document lines: Display messages

Typ	Itc	Message Text
	000	Short fall of minimum remaining shelf life by 000000008

MaterialQuantityWherePurchase Order DataPartnerBatchFreightAccount AssignmentOther Detail

BatchYU-12341

Vendor Batch

Date of Manufacture01.11.2022

SLED/BBD

Item OKLine1

Goods ReceiptSettingsSystemHelp

Display Material Document 9400000641 - Manas Ranjan Sethi

Hide OverviewHoldCheckPostHelp

A04 DisplayR02 Material Docu...94000006412022

My Documents

Purchase Orders

5100001453570001870452000014025700018713580000049358000004925300015520530001554253000155385700018363

Orders

Blank

Reservations

741280740875740869740862740863739900739635738926738914738927

Material Documents

940000064194000006399400000640940000063894000006378600001809400000636940000063394000002349400000632

Held Data

54000023125800000479

GeneralVendorDoc. infoOther Detail

Document Date20.12.2022Delivery NoteTESTSupplierALLWEILER AG

Posting Date20.12.202214:33Bill of LadingTESTHeaderTexttest

☐ 3 Collective Slip

Line	Mat. Short Text	Qty in UnE	E... SLoc	Bu... Profit Center	Batch	Valuation ...	M... D	Stock Type	Plnt	S...
1	FL,RL,RF,CS,A105,150,1 1/2IN	1	EA O & M Store	5010 5010	YU-12341		101 + 2	Quality 1...	Pata (Petro...	

MaterialQuantityWherePurchase Order DataPartnerBatchFreightAccount AssignmentOther Detail

BatchYU-12341Classification

Date of Manufacture01.11.2022

SLED/BBD09.02.2023

Line1

SAP