

DRÄXLMAIER VDA 4994 Global Transport Label requirements summary

With the implementation of SAP system in full scope including the Extended Warehouse Management (EWM) module within Dräxlmaier Group, the requirements towards shipping label has been changed / updated. From previously used VDA 4902 label (in German Warenanhänger Label), we have now switched to the latest VDA recommendation for a Global Transport Label based on the VDA 4994 document. The reason for this change was not only to use a modern label with multiple information accessible with just one scan (2D Code) but primarily due to handling unit number, which is used as a main logistic unit number/ID in SAP EWM and as a global identification number for a shipping unit on the label.

Dräxlmaier's requirement regarding Global Transport Label (GTL) is fully covered with the VDA 4994 recommendation with its standard shape. That means no further changes to layout or label content are required. Therefore the base guideline on how to create the label is the VDA 4994 documentation to be found on website: www.vda.de

Moreover, considering the currently internally required information on the label which will be used in logistical and production processes, we can define following data elements (marked in the below table in column "DRX relevancy for VDA 4994 Label").

Data field	VDA 4987 - Global DESADV (V2.6, 2021-06)	Master (acc. to VDA)	Mixed (acc. to VDA)	Single (acc. to VDA)	DRX relevancy for VDA 4994 label	in 2D-code	DI	Example incl. DI
Label version		M	M	M	O	Yes	12P	12PGTL3
Revision of the recommendation		M	M	M	O	Yes	9K	9K01
Ship-from name	SG2/NAD+SF DE 3036	M	M	M	M			
Ship-from post code	SG2/NAD+SF DE 3251	M	M	M	M			
Ship-from location	SG2/NAD+SF DE 3164	M	M	M	M			
Ship-from country	SG2/NAD+SF DE 3207	M	M	M	M			
Ship-from unique ID	SG2/NAD+SF DE 3039	M	M	M	M	Yes	3L	3L584323
Country of origin	SG17/ALI DE 3239	M	N	M	M	Yes	4L	4LDE
Ship-to name	SG2/NAD+ST DE 3036	M	M	M	M			
Ship-to post code	SG2/NAD+ST DE 3251	O	O	O	O			
Ship-to location	SG2/NAD+ST DE 3164	O	O	O	O			
Ship-to country	SG2/NAD+ST DE 3207	O	O	O	O			
Ship to ID (Dräxlmaier plant number)	SG2/NAD+ST DE 3039	D	D	M	M	Yes	8V	8V1106
Unloading point (Dräxlmaier shipping point)	SG2/NAD+ST/LOC+11 DE 3225	M	M	M	M	Yes	2L	2L9006
Customer internal destination (stor. location)	SG22/LOC+7 DE 3225	D	D	D	O / Not Required	Yes	20L	20L123123123123
Label type	SG14/PCI+17 DE 7511	M	M	M	M			
Supplier ID of the ship-from	SG2/NAD+SE DE 3039	M	M	M	M	Yes	V	V584323
Delivery note number	SG20/RFF+AAU DE 1154	D	D	M	M	Yes	2S	2S123456789012
Customer specific routing	SG20/RFF+AMU DE 1154	D	D	D	O / Not Required	Yes	23L	23L050115-1420RNP
Place of consumption	SG22/LOC+159 DE 3225	D	D	D	O / Not Required	Yes	22L	22L12345678901234
Expected Date/time of arrival	DTM+2/132 DE 2380	D	D	D	M*	Yes	8D	8DYMMDDHHMM
Quantity	SG17/QTY+52 DE 6060 (M-Label) SG12/QTY+52 DE 6060 (S-Label)	M	N	M	M	Yes	Q	Q1000000
Unit of measure	SG17/QTY+52 DE 6411 (M-Label) SG12/QTY+52 DE 6411 (S-Label)	M	N	M	M	Yes	3Q	3QPC

Gross weight	SG17/MEA+AAZ+AAB DE 6314 SG12/MEA+AAZ+G DE 6314	M	M	M	M	Yes	2Q	2Q9999
Net weight	SG17/MEA+AAZ+AAA DE 6314 SG12/MEA+AAZ+AAL DE 6314	O	O	O	O			
Customer's part number	SG19/LIN DE 7140	M	N	M	M	Yes	P	P123456789-001
Customer's part description	SG19/IMD DE 7008	D	N	D	O			
Safety sign	-	D	D	D	D			
License Plate - unique package ID, innermost level (Single-smallest HU)	SG16/GIN+ML DE 7402 (2)	M	M	M	M	Yes	1J	1JUN987654321123456789
License Plate - unique package ID, TU/HU with unlike items (mixed pallet)		M	M	M	M	Yes	5J	5JUN987654321123456789
License Plate - unique package ID, TU/HU with like items (homogeneous Master HU)		M	M	M	M	Yes	6J	6JUN987654321123456789
Package type code	SG12/PAC DE 7065	M	M	M	M	Yes	B	B000PAL01
Shipment date	DTM+11 DE 2380	M	M	D*	O			
Expiry date	SG15/DTM+36 oder 361 DE 2380	D	N	D*	O*	Yes	14D	14D201512312359
Production date	SG15/DTM+94 DE 2380	N	N	D*	O*	Yes	16D	16D201512241600
Batch number / lot number (suppl. ass.)	SG15/GIR+1 DE 7402	N	N	O	M	Yes	1T	T1234567890-123456
Hardware status	SG19/PIA+1 DE 7143 = BT	D	N	D	O	Yes	20P	20P09876543211234567
Software status	SG19/PIA+1 DE 7143 = AG	D	N	D	O	Yes	21P	21P09876543211234567
Engineering change ID	SG19/PIA+1 DE 7143 = EC	D	N	D	O	Yes	2P	2PEC123456789012345
Number of inner package items	SG12/QTY+189 DE 6060	M	M	N	O			
Supplier specific information	SG14/PCI+17 DE 7102	O	O	O	O			
Indicator, if the container is the smallest material package	SG15/GIR+7 DE 7402=1	-	-	O	O	Yes	33T	33TY
Customer specific information	SG14/PCI+16 or PCI+3 DE 7102	D	D	D	D			

Meaning:

M – mandatory element

O – optional (depends on the label issuer)

D – depends / usually not needed, unless agreed otherwise

* – one type of date (out of 3) is mandatory (relevancy sequence described in VDA 4994 document)

General comments:

- The sequence of data elements in data string in the Data Matrix Code (DMC) is free. Proper recognition of each data element is guaranteed by Data Identifier and data Group Separators, not by fixed position of a given data in the string.
- For all the detailed information on how to build a proper data string for DMC, please refer to the VDA 4994 guideline.
- From logistics point of view, the most important change and advantage that the new VDA 4994 label provides (over the previous type VDA 4902), is the possibility to use it also after Goods Receipt for internal handling processes. This means, base on the worldwide unique Handling Unit number (Package ID or License Plate as it's called on the label) each package unit can be booked in Dräxlmaier's system (SAP) with that number, which means there is no need for generating a new Handling Unit number and therefore relabeling all the packaging units. This is possible under one condition; the same Handling Unit number must be provided by the supplier via EDI in Advanced Shipping Notification (ASN) according to VDA 4987. Once the ASN message reaches the

Dräxlmaier's SAP, the the HU number will be recognized by SAP while executing the Goods Receipt process.

With above indicated information, all standard Dräxlmaier requirements towards Global Transport Label are fulfilled. All further details not described here, should be obtained directly from VDA 4994 documentation. Unless specific plant or specific project in Dräxlmaier Group presents special requirements regarding the label, e.g. additional data, 1D or 2D codes, etc., a standard Label as described here and in the mail VDA 4994 guideline applies.