TRACELINK UNIVERSITY

Grocery products invoice transactions

The Grocery Products Invoice is an industry-specific transaction used by suppliers to bill retailers, wholesalers, and distribution centers for delivered grocery and consumer packaged goods (CPG). As part of the ANSI X12 standard, this message supports high-volume, item-level invoicing and replaces paper invoices with a structured, electronic format.

Suppliers typically send the Grocery Products Invoice after shipment and receipt of goods, following transactions such as the purchase order and advance ship notice. The invoice communicates key billing details, including products delivered, quantities, pricing, allowances, discounts, taxes, and the total amount due. It also supports grocery-specific pricing models such as promotional discounts, off-invoice allowances, and bill-back arrangements.

By standardizing invoice data exchange, the Grocery Products Invoice enables automated accounts payable processing and improves alignment between suppliers and customers. It supports three-way matching with purchase orders and shipment data, reduces manual entry and pricing discrepancies, and provides better visibility into financial transactions.

By streamlining invoicing operations, the Grocery Products Invoice improves accuracy, accelerates payment cycles, and supports efficient, high-volume supply chain processes.

Grocery Products Invoice (X12)

The Grocery Products Invoice is serving the grocery industry and supports high-volume, item-level invoicing requirements common in food and consumer packaged goods (CPG) distribution.

Contact your TraceLink Services representative for more information about integrating with this message.

- **Message Type**: MPC_GROCERY_PRODUCTS_INVOICE
- **X12 Format**: X12 880
- **Transform Names**:
  - B2B_EDI_X12_880_GroceryProductsInvoice_IB_V1
  - B2B_EDI_X12_880_GroceryProductsInvoice_OB_V1

Guidelines

Input Element	Occurs	Length	Description	Example
ISA	1...1	-	**Required.** ISA interchange envelope.	-
ISA01	1...1	2/2	**Required.** Qualifier for authorization control number in ISA02. Valid values : • 00 - No authorization info present. TL: Read ServiceLinkId from GS segment. • 03 - Additional data identification. TL: Read ServiceLinkId from REF segment in HL level shipment WHERE REF01 = ME.	00
ISA02	1...1	10/10	**Required.** Information used for additional identification or authorization of the interchange sender or the data in the interchange/ 10 spaces a valid entry.	-
ISA03	1...1	2/2	**Required.** Qualifier for security information in ISA04. Valid values: • 00 - No security information present • 01 - Password	00
ISA04	1...1	10/10	**Required.** Identifies security information about the interchange sender or data.	-
ISA05	1...1	2/2	**Required.** Interchange sender partner ID qualifier. **Valid values:** • 01 – Duns (Dun & Bradstreet). • 02 – Standard Carrier Alpha Code. • 03 – Federal Maritime Commission. • 04 – International Air Transport Association. • 07 – Global Location Number (GLN). • 08 – UCC EDI Communications ID (Comm ID). • 09 – X.121 (CCITT). • 10 – Department of Defense (DoD) Activity Address Code. • 11 – Drug Enforcement Administration identifier. • 12 – Telephone Companies. • 13 – Used for UCS Transmissions. Includes Area Code and Telephone Number of a Modem. • 14 – Duns Plus Suffix. • 15 – Petroleum Accountants Society of Canada Company Code. • 16 – DINS Number With 4-Character Suffix. • 17 – American Bankers Association (ABA) Transit Routing Number (Including Check Digit, 9 Digit). • 18 – Association of American Railroads (AAR) Standard Distribution Code. • 19 – EDI Council of Australia (EDICA) Communications ID Number (COMM ID). • 20 – Health Industry Number (HIN). • 21 – Integrated Postsecondary Education Data System. • 22 – Federal Interagency Commission on Education, or FICE. • 23 – National Center for Education Statistics Common Core of Data 12-Digit Number for Pre-K-Grade 12 Institutes. • 24 – The College Board's Admission Testing Program 4-Digit Code of Postsecondary Institutes, or ATP. • 25 – 4-Digit Code of Postsecondary Institutions. • 26 – Statistics of Canada List of Postsecondary Institutions. • 27 – Carrier Identification Number as assigned by Health Care Financing Administration (HCFA). • 28 – Fiscal Intermediary Identification Number as assigned by Health Care Financing Administration (HCFA). • 29 – Medicare Provider and Supplier Identification Number assigned by Health Care Financing Administration (HCFA). • 30 – U.S. Federal Tax Identification Number. • 31 – Jurisdiction Identification Number Plus 4 assigned by the International Association of Industrial Accident Boards and Commissions (IAIABC). • 32 – U.S. Federal Employer Identification Number (FEIN). • 33 – National Association of Insurance Commissioners Company Code (NAIC). • 34 – Medicaid Provider and Supplier Identification Number as assigned by individual State Medicaid Agencies in conjunction with Health Care Financing Administration (HCFA). • 35 – Statistics Canada Canadian College Student Information System Institution Codes • 36 – Statistics Canada University Student Information System Institution Codes. • 37 – Society of Property Information Compilers and Analysts (SPICA). • 38 – The College Board and ACT, Inc. 6-Digit Code List of Secondary Institutions. • AM – Association Mexicana del Codigo de Producto (AMECOP) Communication ID. • NR – National Retail Merchants Association (NRMA) - Assigned. • SA – User Identification Number as assigned by the Safety and the Fitness Electronic Records (SAFER) System. • SN – Standard Address Number. • ZZ – Mutually Defined.	07
ISA06	1...1	15/15	**Required.** EDI sender ID mapping to file control header and to ServiceLinkId (see row 23).	7777776067344
ISA06	-	-	EDI sender ID mapping to Interchange control group header	7777776067344

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Input Element			Occurs	Length	Description	Example
	ISA07		1...1	2/2	**Required.** Interchange receiver partner ID qualifier. **Valid values:** • 01 – Duns (Dun & Bradstreet). • 02 – Standard Carrier Alpha Code. • 03 – Federal Maritime Commission. • 04 – International Air Transport Association. • 07 – Global Location Number (GLN). • 08 – UCC EDI Communications ID (Comm ID). • 09 – X.121 (CCITT). • 10 – Department of Defense (DoD) Activity Address Code. • 11 – Drug Enforcement Administration identifier. • 12 – Telephone Companies. • 13 – Used for UCS Transmissions. Includes Area Code and Telephone Number of a Modem. • 14 – Duns Plus Suffix. • 15 – Petroleum Accountants Society of Canada Company Code. • 16 – DINS Number With 4-Character Suffix. • 17 – American Bankers Association (ABA) Transit Routing Number (Including Check Digit, 9 Digit). • 18 – Association of American Railroads (AAR) Standard Distribution Code. • 19 – EDI Council of Australia (EDICA) Communications ID Number (COMM ID). • 20 – Health Industry Number (HIN). • 21 – Integrated Postsecondary Education Data System. • 22 – Federal Interagency Commission on Education, or FICE. • 23 – National Center for Education Statistics Common Core of Data 12-Digit Number for Pre-K-Grade 12 Institutes. • 24 – The College Board's Admission Testing Program 4-Digit Code of Postsecondary Institutes, or ATP. • 25 – 4-Digit Code of Postsecondary Institutions. • 26 – Statistics of Canada List of Postsecondary Institutions. • 27 – Carrier Identification Number as assigned by Health Care Financing Administration (HCFA). • 28 – Fiscal Intermediary Identification Number as assigned by Health Care Financing Administration (HCFA). • 29 – Medicare Provider and Supplier Identification Number assigned by Health Care Financing Administration (HCFA). • 30 – U.S. Federal Tax Identification Number. • 31 – Jurisdiction Identification Number Plus 4 assigned by the International Association of Industrial Accident Boards and Commissions (IAIABC). • 32 – U.S. Federal Employer Identification Number (FEIN). • 33 – National Association of Insurance Commissioners Company Code (NAIC). • 34 – Medicaid Provider and Supplier Identification Number as assigned by individual State Medicaid Agencies in conjunction with Health Care Financing Administration (HCFA). • 35 – Statistics Canada Canadian College Student Information System Institution Codes • 36 – Statistics Canada University Student Information System Institution Codes. • 37 – Society of Property Information Compilers and Analysts (SPICA). • 38 – The College Board and ACT, Inc. 6-Digit Code List of Secondary Institutions. • AM – Association Mexicana del Codigo de Producto (AMECOP) Communication ID. • NR – National Retail Merchants Association (NRMA) - Assigned. • SA – User Identification Number as assigned by the Safety and the Fitness Electronic Records (SAFER) System. • SN – Standard Address Number. • ZZ – Mutually Defined.	07
	ISA08		1...1	15/15	**Required.** EDI receiver ID mapping to file control header.	888888404358877
	ISA09		1...1	6/6	**Required.** Interchange date in 6 char YYMMDD format.	260620
	ISA10		1...1	4/4	**Required.** Interchange time in 4 char HHMM format.	1420
	ISA11		1...1	1/1	**Required.** Repetition separator. Delimiter that separates repeated occurrences of a data element or composite data structure. Must be different than the data element separator, component separator, and segment terminator	-
	ISA12		1...1	5/5	**Required.** Interchange control version number. Valid value = "00401"	00501
	ISA13		1...1	9/9	**Required.** Interchange Control Number for file control header.	0000000000619827
	ISA14		1...1	1/1	**Required.** Interchange level acknowledgment requested. Valid values: • 0 - No acknowledgment requested • 1 - Interchange level acknowledgment requested	0
	ISA15		1...1	1/1	**Required.** Indicates whether the interchange is for production, test, or information purposes. Valid values: • I - Information • P - Production data • T - Test data	P
	ISA16		1...1	1/1	**Required.** Component element separator. Delimiter that separates data elements within a composite data structure. Must be different than the data element separator and segment terminator.	>
GS			1...1	-	**Required.** GS group functional envelope. Child of ISA. Only one GS group expected per interchange.	-
	GS01		1...1	2/2	**Required.** GS group function code. Valid value: GP - Grocery Products Invoice	GP
	GS02		1...1	2/15	**Required.** Application Sender's Code.	2222224043588
	GS03		1...1	2/15	**Required.** Application Receiver's Code.	TRACELINK
	GS04		1...1	8/8	**Required.** Current date stamp in 8 char X12 date format YYYYMMDD.	260620
	GS05		1...1	4/8	**Required.** Current time stamp in 6 char X12 time format HHMMSS.	142000
	GS06		1...1	1/9	**Required.** Group Control ID Number.	619827
	GS07		1...1	1/2	**Required.** Responsible Agency Code. Valid value = X.	X
	GS08		1...1	1/12	**Required.** X12 message version code. Valid value = 004010.	005010
ST			1...*	-	ST transaction set envelope. Child of GS group. Only one ST transaction expected.	-
	ST01		1...1	3/3	**Required.** Transaction set identifier code.	880
	ST02		1...1	4/9	**Required.** Transaction set ID number. Counter for each ST segment beginning with 1.	1
	G01		1...1	-	**Required.** Beginning segment for Grocery Invoice.	-
		G0101	1...1	8/8	**Required.** Invoice date in X12 date format YYYYMMDD.	20260620
		G0102	1...1	1/22	**Required.** Invoice number.	006733288
		G0103	0...1	8/8	Purchase order date in X12 date format YYYYMMDD.	'20260618
		G0104	0...1	1/22	Purchase order number.	466733288
		G0105	0...1	1/22	Purchase order number.	466733288
	N9		0...*	-	Reference segment for mapping to the transaction references.	-
		N901	1...1	2/3	**Required.** Reference identification qualifier for the contract class. **Valid values:** • AG - Agent shipment number • AW - Airway bill • A3 - Assignment • BT - Batch • BM - Bill of lading • CN - Carrier reference • CK - Check number • CT - Contract number • CD - Credit advice • 1X - Credit debit adjustment identifier type • CM - Credit memo • BC - Customer contract number • K9 - Customer inquiry number • CR - Customer reference identifier • D1 - US Drug Enforcement Agency (DEA) order number • DL - Debit memo • DO - Delivery • DD - Document number • EM - Electronic payment • IV - Seller's invoice • 14 - Master account • MB - Master bill of lading • OQ - Order number • OI - Original invoice • PK - Packing list number • PO - Purchase order number • BAF - Receipt number • RE - Release document number • RZ - Return authorization transaction identifier type • SN - Seal number • SI - Shipment number • VC - Supplier contract number • VN - Supplier order number • Q1 - Supplier quotation number • GK - Third party reference identifier • 2I - Tracking number • TN - Transaction reference number • TB - Trucker's Bill of Lading • WO - Work order (production order) number • AM - Chargeback adjustment memo • QP - Original purchase order number • DH - DEA identifier number • P2 - Previous DEA identifier number • QD - DEA replacement identifier number • DEA - DEA certificate identifier • CG - Conginee order number • PR - Price quote number • 10 - Consolidated Shipment Number • VR - Vendor identifier number • DI - Distributor invoice number • 92 - Document change Tracking number • 72 - Schedule reference identifier • CB - Combined Shipment • VAT - VAT Number • IK - Invoice party reference identifier • PP - Purchase order revision number • CO - Customer order number, Identifies the number assigned by the customer to their order. • SO - Shipper's Order (Invoice Number) • BL - Government Bill of Lading • IN - Consignee's Invoice Number • WH - Master Reference (Link) Number • PT - Purchase Option Agreement • IB - Customs regulatory document identifier for shipments transiting under bond • MA - Ship notice or manifest number	CT
		N902	0...1	1/80	Reference identifier value.	123456
		N903	0...1	1/45	Description defined by qualifier code in N902.	sub-340B
		N904	0...1	8/8	Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year.	20241215
		N905	0...1	4/8	Time.	121314
	G62		0...5	-	Date and time segment for purchase order.	-

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Input Element			Occurs	Length	Description	Example
		G6201	0...1	2/2	Date/Time qualifier identifying shipment date. **Valid values:** • 01 – Cancel after this date • 02 – Delivery requested by date • 04 – Purchase order date • 10 – Dispatch date • 11 – Date shipped • 15 – Promotion start date • 17 – Estimated delivery date • 18 – Product availability date • 19 – Date unloaded • 35 – Date of delivery document or ASN • 37 – Not before shipment date • 38 – Not later shipment date • 54 – Delivery no later than date • 68 – Requested delivery date • 69 – Pickup scheduled • 70 – Current scheduled delivery date • 85 – Date goods issue posted • 86 – Actual Pickup Date • BC – Document date • BS – Date goods receipt posted (received into available inventory) • CL – Loading date	011
		G6202	0...1	8/8	Date in X12 date format YYYYMMDD for purchase order.	20260620
		G6203	0...1	4/8	Time qualifier.	-
		G6204	0...1	4/8	Time in HHMMSS or HHMM format for shipment or delivery date of sending party.	-
	NTE		0...20	-	Note and/or special instructions for Invoice.	-
		NTE01	0...1	3/3	NTE reference code identifying the functional area or purpose for which the note applies.	INV
		NTE02	1...1	1/80	**Required.** Free-form description for the note or special instructions.	RANCHO DOMINGUEZ CA
	G27		0...5	-	Invoice related carrier information, either G27 (=4060) segment will present, map to target any one of them.	-
		G2701	1...1	1/2	**Required.** Transportation method type code identifying the method or type of transport to be used for delivery of the order.	M
		G2702	0...1	1/4	Equipment prefix.	SC
		G2703	0...1	1/10	Equipment unique identifier.	1234
		G2704	0...1	2/4	Equipment owner Standard carrier alpha code (SCAC code).	SCAC
		G2705	0...1	1/35	Descriptive information about routing.	-
		G2706	0...1	2/2	Indicate transaction level whether any difference in order and shipped quantities.	SH
	CAD		0...5	-	Invoice related carrier information, either G27 (=4060) segment will present, map to target any one of them.	-
		CAD01	1...1	1/2	**Required.** Transportation method type code identifying the method or type of transport to be used for delivery of the order. **Valid values** • 7 - By mail • A - By air • C - Consolidated • H - To be picked up customer • I - Common irregular carrier • J - Truck • K - Backhaul • L - Contract Carrier • M - Motor (Common Carrier) • N - Private vessel • O - Container by ship • P - Private carrier • R - Shipped by train • S - By sea • T - Best way: shipper's option • U - Inland waterway • X - Piggy back transport, ie trailer on train • AE - Air express • LT - Less than truckload • SR - Supplier truck • ZZ - Mutually Defined	M
		CAD02	0...1	1/4	Equipment prefix.	SC
		CAD03	0...1	1/15	Equipment unique identifier.	1234
		CAD04	0...1	2/4	Equipment owner Standard carrier alpha code (SCAC code).	SCAC
		CAD05	0...1	1/35	Descriptive information about routing.	-
		CAD06	0...1	2/2	Indicate transaction level whether any difference in order and shipped quantities.	AA
		CAD07	0...1	2/3	Reference identification qualifier for the contract class. **Valid values:** • AG - Agent shipment number • AW - Airway bill • A3 - Assignment • BT - Batch • BM - Bill of lading • CN - Carrier reference • CK - Check number • CT - Contract number • CD - Credit advice • 1X - Credit debit adjustment identifier type • CM - Credit memo • BC - Customer contract number • K9 - Customer inquiry number • CR - Customer reference identifier • D1 - US Drug Enforcement Agency (DEA) order number • DL - Debit memo • DO - Delivery • DD - Document number • EM - Electronic payment • IV - Seller's invoice • 14 - Master account • MB - Master bill of lading • OQ - Order number • OI - Original invoice • PK - Packing list number • PO - Purchase order number • BAF - Receipt number • RE - Release document number • RZ - Return authorization transaction identifier type • SN - Seal number • SI - Shipment number • VC - Supplier contract number • VN - Supplier order number • Q1 - Supplier quotation number • GK - Third party reference identifier • 2I - Tracking number • TN - Transaction reference number • TB - Trucker's Bill of Lading • WO - Work order (production order) number • AM - Chargeback adjustment memo • QP - Original purchase order number • DH - DEA identifier number • P2 - Previous DEA identifier number • QD - DEA replacement identifier number • DEA - DEA certificate identifier • CG - Conginee order number • PR - Price quote number • 10 - Consolidated Shipment Number • VR - Vendor identifier number • DI - Distributor invoice number • 92 - Document change Tracking number • 72 - Schedule reference identifier • CB - Combined Shipment • VAT - VAT Number • IK - Invoice party reference identifier • PP - Purchase order revision number • CO - Customer order number, Identifies the number assigned by the customer to their order. • SO - Shipper's Order (Invoice Number) • BL - Government Bill of Lading • IN - Consignee's Invoice Number • WH - Master Reference (Link) Number • PT - Purchase Option Agreement • IB - Customs regulatory document identifier for shipments transiting under bond • MA - Ship notice or manifest number	BM
		CAD08	0...1	1/80	Reference identifier value.	123456
	G23		0...20	-	Terms of payment.	-
		G2301	1...1	2/2	**Required.** Terms of sale type code. Identifies type of payment code. Valid values: • 01 – Basic • 02 – End of month • 03 – Fixed date • 04 – Deferred payment • 05 – Discount is not applicable • 06 – Mixed terms • 07 - Extended terms • 13 - Seller to advise buyer • 14 - Previously agreed • 15 - Payment expected on a certain of the month, ie, 1st day, 15th day, etc.	01
		G2302	1...1	1/2	**Required.** Terms of sale basis code. Identifies beginning of the terms of payment code. Valid values: • 1 – Ship date • 2 – Delivery date • 3 – Invoice date • 5 – Invoice receipt date • 7 – Effective date • 09 – Purchase order date	3
		G2303	0...1	8/8	The date when the payment terms begin (i.e. when the countdown for due dates or discounts starts)	20260620

Input Element	Occurs	Length	Description	Example
G2304	0...1	2/2	How the due date is designated—what rule or reference determines when payment is due. Valid values: • 01- Mailed by date • 02 - Received by date • 03 - Electronics Funds Transfer Settlement Date • 04 - Funds deposited by date	3
G2305	0...1	1/6	Percentage of discount available to the purchaser if an invoice is paid on or before the terms of payment discount due date.	1.25
G2306	0...1	8/8	Discount due date in X12 date format YYYYMMDD.	20260620
G2307	0...1	1/3	Number of days payment is due within discount period to qualify for the discount.	-
G2308	0...1	8/8	Terms net due date. Date when the invoice total amount is due in X12 date format YYYYMMDD.	20260620
G2309	0...1	1/3	Number of days total invoice payment is due where no discount is applicable.	30
G2310	0...1	1/10	Total terms discount amount	1020
G2311	0...1	1/10	The actual amount the buyer needs to pay if it paid by the discount date.	1000
G2312	0...1	1/10	The base amount upon which the total term discount amount is calculated (this may not be equal to total invoice amount).	1030
G2314	0...1	1/5	Amount of invoice payable expressed in percent.	10.5
G2315	0...1	1/60	Free-form text or description for terms of payment.	30 days payable in full
G25	0...1	-	FOB information, method of freight payment details.	-
G2501	1...1	2/2	**Required.** Shipment method of payment code that identifies the payment terms for transportation charges. Valid values: • BP - Paid by Buyer • CA - Advance Collect • CC - Collect • DF - Defined by buyer and seller • PA - Advance prepaid • PB - Customer pickup/backhaul • PO - Prepaid only • PP - Prepaid by seller • PS - Paid by seller • TP - Third Party Pay	PB
G2502	1...1	2/2	**Required.** FOB point code. Valid values: • 01 - Transfer location point is a city • 02 - Shipping destination • 03 - Plant or place of production • 04 - Origin point of shipment	01
G2503	0...1	1/30	Descriptive name of F.O.B point.	Location name
N1 Loop	1...*	-	N1 segment loop.	-
N1	1...1	-	**Required.** Party identification.	-
N101	1...1	2/3	**Required.** Entity qualifier for the Sender or Receiver party identifier and address information. **Valid values:** • AO – Account of party • BK – Bank • BT – Billto party • BS – Billto and Shipto combined • OE – Booking office • CA – Carrier (transport operator) • CN – Consignee • CI – Consignor • VI – Contact person information • CL – Container location • C9 – Contract holder or contractor • 13 – Contracted third party service provider. Also used for third-party contracted pharmacy supporting a 340B covered entity. • CQ – Corportate office • BY – Customer - buyer - sold to party • DA – Delivery address / party • RD – Destination intermodal ramp • DT – Destination terminal • DS – Distributor party or location • DB – Distributor branch location • D1 – Truck driver (no EDI qualifier contextbased) • MA – Final customer • EX – Exporter • FW – Freight forwarder • L8 – Head office location • PO – Party to receive invoice for goods or services • PE – Party that will receive invoice the payer or the SAP bill-to party • II – Party that will issue the invoice to the payer • MF – Manufacturer • N1 – First notify party • N3 – Third notify party • N2 – Second notify party • OB – Ordered by party • RO – Origin intermodal ramp • OT – Origin inland terminal • HA – Owner of goods • PR – Person or organization that pays the invoice • QA – Retail or institutional pharmacy dispenser. Also used for contracted third party pharmacy supporting a 304b covered entitty. • PW – Pickup location • 2P – Public health service facility: 304B entity that tales ownership of a product in the original sale. • BG – Purchasing group, buying group • TO – Message receiver • RL – Reporting party/location / WMS provider (Danone) • FR – Message sender • SF – Shipfrom location • NP – Notify party for shipper's order • SH – Shipper • SI – Business party that issues the shipping instruction • ST – Shipto location • SO – Sold to party if different then bill to party • SN – Store number with location info for store • 41 – Partner or business entity group initiates the transaction • SU – Supplier • YE – Third party business or location information. Also used to identify third party logistics service provider. • VN – Vendor (alt. seller) • WH – Warehouse keeper • R1 – The party that receives the document containing weight information fromn the scale. • RI – Remit to • RE – Party to receive commercial invoice remittance	SU
N102	0...1	1/60	Name.	Pharma customer
N103	0...1	1/2	Identifier code qualifier. Valid values: • 1 – D-U-N-S number - Dun and Bradstreet • 2 – Standard Carrier Alpha Code • 9 – D-U-N-S + 4 Dun and Bradstreet number plus suffix • 11 – Drug Enforcement Agency registration number • 21 – Health Industry Number • 91 – Assigned by seller company identifier • 92 – Assigned by buyer company site identifier • UL – Global Location Number • PI – HDA payer identifier for 340B identifier. • PP – Pharmacy processor number. Unique number assigned to each pharmacy for submitting claims • 93 – Code assigned by the organization originating the transaction set • 94 – Code assigned by the organization that is the ultimate destination of the transaction set • 25 – Carriers Customer Code • 20 – Standard Point Location Code • ID – UCC Communication ID • 12 – Telephone Number	UL
N104	0...1	2/80	Party identifier as qualified by N103 mapping to companyIdentifierValue.	3333331013655
N2	0...1	-	N2: Additional names: Child of customer party N1 name segment., we do support one iteration of N2.	-
N201	1...1	1/60	**Required.** Additional name 2.	Pharma name2
N202	0...1	1/60	Additional name 2.	Pharma name2
N3	0...2	-	N3: Address: Child of customer party N1 name segment.	-
N301	1...1	1/55	**Required.** Street address 1.	555 Neelan Road
N302	0...1	1/55	Street address 2.	Suite 123
N4	0...1	-	N4: Geographic Location. Child of customer party N1 name segment.	-
N401	0...1	2/30	City name	Sacramento
N402	0...1	2/2	State or province code. Code (Standard state/province) as defined by appropriate government agency.	CA
N403	0...1	3/15	Postal code. Code defining international postal zone code excluding punctuation and blanks.	95833
N404	0...1	2/3	Country code.	US
N405	0...1	1/2	Type of location.	CA
N406	0...1	1/30	Specific location.	95833
N407	0...1	1/3	Country subdivision.	US
G72	0...*	-	Allowance or charge information loop group.	-
G72	0...1	-	Allow or charge group.	-
G7201	1...1	1/3	**Required.** Allowance or charge code identifying the type of allowance or charge in the purchase order. **Valid values:** • 1 – Free goods • 2 – Shrink allowance • 4 – Fuel allowance • 5 – Allowance for non-performance • 6 – Pallet charge • 7 – Ocean freight charge • 10 – Drayage charge • 16 – Minimum charge • 21 – Storage charge • 26 – Unloading charge • 29 – Percentage of price adjustment • 30 – Post damaged handling • 43 – Display allowance • 44 – Early buy allowance • 45 – New discount • 48 – Special buy • 51 – Trade discount • 52 – Quantity discount • 53 – Freight allowance • 54 – Pickup allowance • 55 – Warehouse allowance • 57 – Vehicle load allowance • 61 – Handling allowance • 64 – Truckload allowance • 65 – New item allowance • 70 – Consignment allowance • 81 – Direct plant ship allowance • 90 – Performance allowance • 105 – Pallet allowance • 110 – Adjustment • 490 – Goods and services credit allowance • 491 – Tax credit allowance • 499 – Other allowance • 501 – Taxes charged • 502 – Carrier charges • 503 – Special handling charge • 504 – Freight charge • 505 – Insurance charge • 511 – Warehouse charge • 512 – Palletizing charge • 514 – Surcharge • 516 – Delivery charge • 518 – Service charge • 519 – Less than truckload charge • 523 – Special packaging charge • 537 – State or provinmcial tax charge • 990 – Goods and service charge • 999 – Other charges	6
G7202	1...1	2/2	**Required.** Allowance or charge method of handling code. **Valid values:** • 01 – Bill back. • 02 – Off invoice. • 04 – Credit customer account. • 05 – Charge to be paid by vendor. • 06 – Charge to be paid by customer. • 07 – Optional. • 08 – Off gross quantity invoiced. • 09 – Allowance to be issued by vendor. • 10 – Allowance to be issued by reseller. • 11 – Charge denied by vendor. • 12 – Cancel allowance. • 15 – Information only. • 18 – Non-payable tax. • 25 – Cash in advance. • CA – Calculate and add to invoice. • CC – Collect. • PP – Prepaid.	CC
G7203	0...1	1/16	Allowance or charge identifier assigned by a vendor referencing an allowance, promotion, deal, or charge.	58547859
G7204	0...1	1/16	The unique number identifies an exception or modification to an offered or existing promotion.	1234
G7205	0...1	1/15	Allowance or charge rate per unit.	12.5
G7206	0...1	1/10	Allowance or charge quantity when the allowance or charge is different from the purchase order.	100

Input Element				Occurs	Length	Description	Example
			G7207	0...1	2/2	Unit of measure for allowance or charge basis quantity. **Valid values:** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – Bottle • BX – Box • C3 – Centiliter • CA – Case • CC – Cubic Centimeter • CF – Cubic Feet • CG – Card Blister • CH – Container • CI – Cubic Inches • CL – Cylinder • CM – Centimeter • CN – Can • CP – Crate • CQ – Cartridge • CR – Cubic Meters • CT – Carton • DA – Day • DI – Dispenser • DK – Kilometers • DL – Deciliter • DM – Decimeter • DQ – Cubic decimeters • DR – Drum • DS – Display • DZ – Dozen • EA – Each • FO – US Fluid Ounce • FT – Foot • GA – US Gallon • GL – Gram/Liter • GR – Gram • GS – Gross • H4 – Hectoliter • HF – Hundred Feet • HR – Hours • IN – Inch • K6 – Kiloliters • KG – Kilogram • KT – Kit • LB – US Pound • LF – Linear Foot • LO – Lot (unit of procurement) • LT – Liter • LY – Linear Yard • MC – Microgram • ME – Milligram • ML – Milliliter • MM – Millimeter • MO – Months • MR – Meter • OZ – Ounce • P1 – Percent • PC – Piece • PF – Pallet • PH – Pack • PK – Package • PR – Pair • PT – Pint • QT – Quart • RL – Roll • SC – Square Centimeter • SF – Square Foot • SH – Sheet • SI – Square Inch • SM – Square Meter • SP – Self Package • ST – Set • SY – Square Yard • SZ – Syringe • T3 – Thousand Pieces • TB – Tube • TH – Thousands • TN – Tonne • TS – Thousands • TY – Tray • U2 – Tablet • UM – Million • UN – Unit • US – Dosage Form • V2 – Pouch • VI – Vial • WK – Week • YD – Yard • YR – Years	EA
			G7208	0...1	1/15	Allowance or charge total amount.	201.45
			G7209	0...1	1/6	Allowance or charge percentage.	10.5
			G7210	0...1	1/9	Dollar basis for percentage.	10.5
		G73		0...10	-	Allowance or charge description.	-
			G7301	1...1	1/45	**Required.** Free form description for the allowance or charge.	Credit payment
	G17			0...*	-	Line item details for grocery invoice.	-
		G17		0...1	-	Item details invoice, qty,product id, amount	-
			G1701	1...1	1/15	**Required.** Number of Invoiced units.	200
			G1702	1...1	2/2	**Required.** Unit of measure for invoiced quantity. **Valid values:** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – Bottle • BX – Box • C3 – Centiliter • CA – Case • CC – Cubic Centimeter • CF – Cubic Feet • CG – Card Blister • CH – Container • CI – Cubic Inches • CL – Cylinder • CM – Centimeter • CN – Can • CP – Crate • CQ – Cartridge • CR – Cubic Meters • CT – Carton • DA – Day • DI – Dispenser • DK – Kilometers • DL – Deciliter • DM – Decimeter • DQ – Cubic decimeters • DR – Drum • DS – Display • DZ – Dozen • EA – Each • FO – US Fluid Ounce • FT – Foot • GA – US Gallon • GL – Gram/Liter • GR – Gram • GS – Gross • H4 – Hectoliter • HF – Hundred Feet • HR – Hours • IN – Inch • K6 – Kiloliters • KG – Kilogram • KT – Kit • LB – US Pound • LF – Linear Foot • LO – Lot (unit of procurement) • LT – Liter • LY – Linear Yard • MC – Microgram • ME – Milligram • ML – Milliliter • MM – Millimeter • MO – Months • MR – Meter • OZ – Ounce • P1 – Percent • PC – Piece • PF – Pallet • PH – Pack • PK – Package • PR – Pair • PT – Pint • QT – Quart • RL – Roll • SC – Square Centimeter • SF – Square Foot • SH – Sheet • SI – Square Inch • SM – Square Meter • SP – Self Package • ST – Set • SY – Square Yard • SZ – Syringe • T3 – Thousand Pieces • TB – Tube • TH – Thousands • TN – Tonne • TS – Thousands • TY – Tray • U2 – Tablet • UM – Million • UN – Unit • US – Dosage Form • V2 – Pouch • VI – Vial • WK – Week • YD – Yard • YR – Years	EA
			G1703	0...1	1/9	Item list cost. Gross unit price for the item.	200.00
			G1704	0...1	1/9	UPC case code.	001458569841
			G1705	1...1	2/2	**Required.** Product service ID qualifier mapping from global standards enum list. **Valid values:** • BP – Buyer's product number. • CB – Buyer's catalog number. • EN – EAN 2-5-5-1. • FV – Canada product number. • IN – Buyer's Item Number. • MF – Manufacturer's product identifier. • N1 – US National Drug Code in 442 format. • N2 – US National Drug Code in 532 format. • N3 – US National Drug Code in 541 format. • N4 – US National Drug Code in 542 format. • NH – National health code. • PI – Purchaser's(Customer's) product GTIN-14 identifier. • SK – Stock Keeping Unit. • UA – Case UPC. UPC Case Code (2-5-5). Legacy UPC. • UJ – Package UPC. Consumer Package Code (1-5-5). Legacy UPC. • UI – UPC Consumer Package Code (1-5-5). • UK – GTIN-14 identification number. • UP – UCC-12. 12 digit EAN.UCC (1-5-5-1). Also UPC-A and GTIN-12. • UX – Universal product number (UPC). • VC – Vendor Catalog Number. Vendor's (Seller's) Catalog Number. • VN – Vendor (Sellers) identification number.	UK
			G1706	1...1	1/80	**Required.** Product or service identifier. Should be the same identifiers that will be used in the invoice.	20041415558735

Input Element				Occurs	Length	Description	Example
			G1707	0...1	2/2	Product service ID qualifier mapping from global standards enum list. **Valid values:** • BP – Buyer's product number. • CB – Buyer's catalog number. • EN – EAN 2-5-5-1. • FV – Canada product number. • IN – Buyer's Item Number. • MF – Manufacturer's product identifier. • N1 – US National Drug Code in 442 format. • N2 – US National Drug Code in 532 format. • N3 – US National Drug Code in 541 format. • N4 – US National Drug Code in 542 format. • NH – National health code. • PI – Purchaser's(Customer's) product GTIN-14 identifier. • SK – Stock Keeping Unit. • UA – Case UPC. UPC Case Code (2-5-5). Legacy UPC. • UJ – Package UPC. Consumer Package Code (1-5-5). Legacy UPC. • UI – UPC Consumer Package Code (1-5-5). • UK – GTIN-14 identification number. • UP – UCC-12. 12 digit EAN.UCC (1-5-5-1). Also UPC-A and GTIN-12. • UX – Universal product number (UPC). • VC – Vendor Catalog Number. Vendor's (Seller's) Catalog Number. • VN – Vendor (Sellers) identification number.	PI
			G1708	0...1	1/80	Product or service identifier. Should be the same identifiers that will be used in the invoice.	37942
			G1710	0...1	1/10	Number of units shipped.	11
			G1711	0...1	2/2	Units shipped unit or Basis for Measurement Code. **Valid values:** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – Bottle • BX – Box • C3 – Centiliter • CA – Case • CC – Cubic Centimeter • CF – Cubic Feet • CG – Card Blister • CH – Container • CI – Cubic Inches • CL – Cylinder • CM – Centimeter • CN – Can • CP – Crate • CQ – Cartridge • CR – Cubic Meters • CT – Carton • DA – Day • DI – Dispenser • DK – Kilometers • DL – Deciliter • DM – Decimeter • DQ – Cubic decimeters • DR – Drum • DS – Display • DZ – Dozen • EA – Each • FO – US Fluid Ounce • FT – Foot • GA – US Gallon • GL – Gram/Liter • GR – Gram • GS – Gross • H4 – Hectoliter • HF – Hundred Feet • HR – Hours • IN – Inch • K6 – Kiloliters • KG – Kilogram • KT – Kit • LB – US Pound • LF – Linear Foot • LO – Lot (unit of procurement) • LT – Liter • LY – Linear Yard • MC – Microgram • ME – Milligram • ML – Milliliter • MM – Millimeter • MO – Months • MR – Meter • OZ – Ounce • P1 – Percent • PC – Piece • PF – Pallet • PH – Pack • PK – Package • PR – Pair • PT – Pint • QT – Quart • RL – Roll • SC – Square Centimeter • SF – Square Foot • SH – Sheet • SI – Square Inch • SM – Square Meter • SP – Self Package • ST – Set • SY – Square Yard • SZ – Syringe • T3 – Thousand Pieces • TB – Tube • TH – Thousands • TN – Tonne • TS – Thousands • TY – Tray • U2 – Tablet • UM – Million • UN – Unit • US – Dosage Form • V2 – Pouch • VI – Vial • WK – Week • YD – Yard • YR – Years	EA
		G69		0...5	-	Line item detail description.	-
			G6901	1...1	1/45	**Required.** Item description.	-
		G19		0...10	-	Number of items shipped and uom of it, this details either it can be found in G17 or G19. G17 will take precedence.	-
			G1901	0...1	1/10	Number of units shipped.	11
			G1902	0...1	2/2	Units shipped unit or Basis for Measurement Code. **Valid values:** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – Bottle • BX – Box • C3 – Centiliter • CA – Case • CC – Cubic Centimeter • CF – Cubic Feet • CG – Card Blister • CH – Container • CI – Cubic Inches • CL – Cylinder • CM – Centimeter • CN – Can • CP – Crate • CQ – Cartridge • CR – Cubic Meters • CT – Carton • DA – Day • DI – Dispenser • DK – Kilometers • DL – Deciliter • DM – Decimeter • DQ – Cubic decimeters • DR – Drum • DS – Display • DZ – Dozen • EA – Each • FO – US Fluid Ounce • FT – Foot • GA – US Gallon • GL – Gram/Liter • GR – Gram • GS – Gross • H4 – Hectoliter • HF – Hundred Feet • HR – Hours • IN – Inch • K6 – Kiloliters • KG – Kilogram • KT – Kit • LB – US Pound • LF – Linear Foot • LO – Lot (unit of procurement) • LT – Liter • LY – Linear Yard • MC – Microgram • ME – Milligram • ML – Milliliter • MM – Millimeter • MO – Months • MR – Meter • OZ – Ounce • P1 – Percent • PC – Piece • PF – Pallet • PH – Pack • PK – Package • PR – Pair • PT – Pint • QT – Quart • RL – Roll • SC – Square Centimeter • SF – Square Foot • SH – Sheet • SI – Square Inch • SM – Square Meter • SP – Self Package • ST – Set • SY – Square Yard • SZ – Syringe • T3 – Thousand Pieces • TB – Tube • TH – Thousands • TN – Tonne • TS – Thousands • TY – Tray • U2 – Tablet • UM – Million • UN – Unit • US – Dosage Form • V2 – Pouch • VI – Vial • WK – Week • YD – Yard • YR – Years	EA
		G20		0...1	-	Item packing details	-
			G2001	0...1	1/6	Pack. The number of inner containers, or number of eaches if there are no inner containers, per outer container.	10
			G2002	0...1	1/8	Pack Size/weight/volume of each unit.	1

Input Element				Occurs	Length	Description	Example
			G2003	0...1	2/2	Unit or Basis for Measurement Code. Size or weight or volume of each unit. **Valid values:** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – Bottle • BX – Box • C3 – Centiliter • CA – Case • CC – Cubic Centimeter • CF – Cubic Feet • CG – Card Blister • CH – Container • CI – Cubic Inches • CL – Cylinder • CM – Centimeter • CN – Can • CP – Crate • CQ – Cartridge • CR – Cubic Meters • CT – Carton • DA – Day • DI – Dispenser • DK – Kilometers • DL – Deciliter • DM – Decimeter • DQ – Cubic decimeters • DR – Drum • DS – Display • DZ – Dozen • EA – Each • FO – US Fluid Ounce • FT – Foot • GA – US Gallon • GL – Gram/Liter • GR – Gram • GS – Gross • H4 – Hectoliter • HF – Hundred Feet • HR – Hours • IN – Inch • K6 – Kiloliters • KG – Kilogram • KT – Kit • LB – US Pound • LF – Linear Foot • LO – Lot (unit of procurement) • LT – Liter • LY – Linear Yard • MC – Microgram • ME – Milligram • ML – Milliliter • MM – Millimeter • MO – Months • MR – Meter • OZ – Ounce • P1 – Percent • PC – Piece • PF – Pallet • PH – Pack • PK – Package • PR – Pair • PT – Pint • QT – Quart • RL – Roll • SC – Square Centimeter • SF – Square Foot • SH – Sheet • SI – Square Inch • SM – Square Meter • SP – Self Package • ST – Set • SY – Square Yard • SZ – Syringe • T3 – Thousand Pieces • TB – Tube • TH – Thousands • TN – Tonne • TS – Thousands • TY – Tray • U2 – Tablet • UM – Million • UN – Unit • US – Dosage Form • V2 – Pouch • VI – Vial • WK – Week • YD – Yard • YR – Years	OZ
			G2009	0...1	1/6	Inner pack. The number of eaches per inner container.	12
		N9(2)		0...*	-	Reference segment for mapping to the transaction references.	-

Input Element				Occurs	Length	Description	Example
			N901	1...1	2/3	**Required.** Reference identification qualifier for the contract class. **Valid values** • 9X - Account type/category • TD - Reason for change recorded for order • CT - Contract number • CE - Class of contract code • C8 - Corrected contract number • ZZ - Mutually defined transaction identifier • DH - US Drug Enforcement agency identifier • DP - Department identifier • DI - Distributor Invoice Number • 19 - Division identifier • 1W - Group purchasing organization member identifier • HI - US Health Industry Number • IA - Internal vendor Number • L1 - Letters or notes • LI - Line item number • LU - GS1-US Global Location Number (GLN) • LT - Lot or batch number • MR - Merchandise type code • 2U - Payer Identification number for 340B programs • P1 - Previous contract number • P2 - Previous DEA identifier • P3 - Previous HIN identifier • P7 - Product line number • PD - Promotion deal number • KK - Proof Of Delivery • RX - Resubmit Number • X8 - Secondary class identiifer • SE - Serial Number • ST - store number • 8X - Transaction Category • VR - Internal vendor identifier • IT - Internal customer number • 8V - Credit reference number, is a Credit memo number issued on return of original invoice number • SB - Sales Region Number • RY - Rebate reference number • IX - Item number • PE - Plant number • 87 - Functional category • KL - Contract reference number • 6L - Agent contract number • BP - Adjustment control number • FN - Freight forwarder reference identifier • 0C - Ocean container number • BN - Booking number • EQ - Equipment number • P8 - Pickup reference number • 1J - Facility ID Number • 4F - Carrier-assigned Shipper Number • Sales department number • 14 - Master account number • GT - Goods and service tax registration number • SI - Shipper's Identifying Number for Shipment • AW - Air way bill Number • 2I - Tracking Number • RA - Repetitive Shipment Number • RZ - Returned goods authorization Number • QY - Express Service Code • E7 - Service Bulletin Number • 60 - Cross Reference number • 3Y - Receiver Assigned Drop Zone • RU - Route Number • 0T - Sales Allowance Number • 9F - Referral Number • JH - Other tag number • 11 - Account Number • CR - Customer reference Number • ACT - Accounting Code • ADI - Processor Identification Number • ADT - Full Denial Reason Identifier • 0D - Original Return Request Reference Number • 4N - Special Payment Reference Number • AHC - Air Handling Code • ACC - Status • ACD - Class Code • DQ - Delivery Quote Number • EVI - Event Identification • PRT - Product Type • PHC - Process Handling Code • XX2 - Service Area Code • NB - Letter of credit Number • EP - Export License or permit number • VX - VAT Registration identifier • SCA - Standard Carrier Alpha Code (SCAC) • Q8 - Company/place registration number • 6A - Consignee reference • ABS - Vessel Name • SZ - Specification Revision • QN - Stop Sequence Number • 9V - Payment Category • CC - Collect Loads or Contract Co-op Number • 7W - Interchange Train Identification • HR - Horsepower • AF - Airlines Flight Identification Number • 33 - Lender Case Number • AO - Appointment Number • AAO - Carrier Assigned Code • MTI - Master Tracking Number • HB - House bill of lading number • RZ - Return goods authorization • E7 - Service bulletin number • AAL - Booking agent reference • BS - Split booking reference number • ZH - Carrier assigned reference / booking number • ED - Customs export declaration reference Number • LO - Load planning reference number • TS - Tariff reference number • DJ - Delivery ticket number as reference from shippers / carrier / consignees system • HS - Harmonized code system (Canada) • RF - Export reference number (not a licence number) • CQ - Customs house broker license number • TG - Transportation control number • VA - Vessel agent number • CEC - Enterprise Code for Consignee (custom manifest usage) • FI - File Identifier • NEC - Enterprise Code for Notify Party (custom manifest usage) • SEC - Enterprise Code for Shipper (custom manifest usage)	RF

Input Element	Occurs	Length	Description	Example
N902	0...1	1/80	Reference identifier value.	123456
N903	0...1	1/45	Description defined by qualifier code in REF02.	-
N904	0...1	8/8	Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year.	20241215
N905	0...1	4/8	Time.	121314
G72	0...*	-	Allowance or charge information loop group.	.-
G72	0...1	-	Allow or charge group.	-
G7201	1...1	1/3	**Required.** Allowance or charge code identifying the type of allowance or charge in the purchase order. **Valid values:** • 1 – Free goods • 2 – Shrink allowance • 4 – Fuel allowance • 5 – Allowance for non-performance • 6 – Pallet charge • 7 – Ocean freight charge • 10 – Drayage charge • 16 – Minimum charge • 21 – Storage charge • 26 – Unloading charge • 29 – Percentage of price adjustment • 30 – Post damaged handling • 43 – Display allowance • 44 – Early buy allowance • 45 – New discount • 48 – Special buy • 51 – Trade discount • 52 – Quantity discount • 53 – Freight allowance • 54 – Pickup allowance • 55 – Warehouse allowance • 57 – Vehicle load allowance • 61 – Handling allowance • 64 – Truckload allowance • 65 – New item allowance • 70 – Consignment allowance • 81 – Direct plant ship allowance • 90 – Performance allowance • 105 – Pallet allowance • 110 – Adjustment • 490 – Goods and services credit allowance • 491 – Tax credit allowance • 499 – Other allowance • 501 – Taxes charged • 502 – Carrier charges • 503 – Special handling charge • 504 – Freight charge • 505 – Insurance charge • 511 – Warehouse charge • 512 – Palletizing charge • 514 – Surcharge • 516 – Delivery charge • 518 – Service charge • 519 – Less than truckload charge • 523 – Special packaging charge • 537 – State or provinmcial tax charge • 990 – Goods and service charge • 999 – Other charges	6
G7202	1...1	2/2	**Required.** Allowance or charge method of handling code. **Valid values:** • 01 – Bill back. • 02 – Off invoice. • 04 – Credit customer account. • 05 – Charge to be paid by vendor. • 06 – Charge to be paid by customer. • 07 – Optional. • 08 – Off gross quantity invoiced. • 09 – Allowance to be issued by vendor. • 10 – Allowance to be issued by reseller. • 11 – Charge denied by vendor. • 12 – Cancel allowance. • 15 – Information only. • 18 – Non-payable tax. • 25 – Cash in advance. • CA – Calculate and add to invoice. • CC – Collect. • PP – Prepaid.	CC
G7203	0...1	1/16	Allowance or charge identifier assigned by a vendor referencing an allowance, promotion, deal, or charge.	58547859
G7204	0...1	1/16	The unique number identifies an exception or modification to an offered or existing promotion.	1234
G7205	0...1	1/15	Allowance or charge rate per unit.	12.5
G7206	0...1	1/10	Allowance or charge quantity when the allowace or charge is different from the purchase order.	100
G7207	0...1	2/2	Unit of measure for allowance or charge basis quantity. **Valid values:** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – Bottle • BX – Box • C3 – Centiliter • CA – Case • CC – Cubic Centimeter • CF – Cubic Feet • CG – Card Blister • CH – Container • CI – Cubic Inches • CL – Cylinder • CM – Centimeter • CN – Can • CP – Crate • CQ – Cartridge • CR – Cubic Meters • CT – Carton • DA – Day • DI – Dispenser • DK – Kilometers • DL – Deciliter • DM – Decimeter • DQ – Cubic decimeters • DR – Drum • DS – Display • DZ – Dozen • EA – Each • FO – US Fluid Ounce • FT – Foot • GA – US Gallon • GL – Gram/Liter • GR – Gram • GS – Gross • H4 – Hectoliter • HF – Hundred Feet • HR – Hours • IN – Inch • K6 – Kiloliters • KG – Kilogram • KT – Kit • LB – US Pound • LF – Linear Foot • LO – Lot (unit of procurement) • LT – Liter • LY – Linear Yard • MC – Microgram • ME – Milligram • ML – Milliliter • MM – Millimeter • MO – Months • MR – Meter • OZ – Ounce • P1 – Percent • PC – Piece • PF – Pallet • PH – Pack • PK – Package • PR – Pair • PT – Pint • QT – Quart • RL – Roll • SC – Square Centimeter • SF – Square Foot • SH – Sheet • SI – Square Inch • SM – Square Meter • SP – Self Package • ST – Set • SY – Square Yard • SZ – Syringe • T3 – Thousand Pieces • TB – Tube • TH – Thousands • TN – Tonne • TS – Thousands • TY – Tray • U2 – Tablet • UM – Million • UN – Unit • US – Dosage Form • V2 – Pouch • VI – Vial • WK – Week • YD – Yard • YR – Years	EA
G7208	0...1	1/15	Allowance or charge total amount	201.45
G7209	0...1	1/6	Allowance or charge percentage.	10.5
G7210	0...1	1/9	Dollar basis for percentage.	10.5
G73	0...10	-	Allowance or charge description.	-
G7301	1...1	1/45	**Required.** Free form description for the allowance or charge.	Credit payment
G31	1...1	-	**Required.** Transaction Total invoice quantity.	-
G3101	1...1	1/10	**Required.** Number of units invoiced (supplier units).	-

Input Element			Occurs	Length	Description	Example
		G3102	1...1	2/2	**Required.** Unit or Basis for Measurement Code. **Valid values:** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – Bottle • BX – Box • C3 – Centiliter • CA – Case • CC – Cubic Centimeter • CF – Cubic Feet • CG – Card Blister • CH – Container • CI – Cubic Inches • CL – Cylinder • CM – Centimeter • CN – Can • CP – Crate • CQ – Cartridge • CR – Cubic Meters • CT – Carton • DA – Day • DI – Dispenser • DK – Kilometers • DL – Deciliter • DM – Decimeter • DQ – Cubic decimeters • DR – Drum • DS – Display • DZ – Dozen • EA – Each • FO – US Fluid Ounce • FT – Foot • GA – US Gallon • GL – Gram/Liter • GR – Gram • GS – Gross • H4 – Hectoliter • HF – Hundred Feet • HR – Hours • IN – Inch • K6 – Kiloliters • KG – Kilogram • KT – Kit • LB – US Pound • LF – Linear Foot • LO – Lot (unit of procurement) • LT – Liter • LY – Linear Yard • MC – Microgram • ME – Milligram • ML – Milliliter • MM – Millimeter • MO – Months • MR – Meter • OZ – Ounce • P1 – Percent • PC – Piece • PF – Pallet • PH – Pack • PK – Package • PR – Pair • PT – Pint • QT – Quart • RL – Roll • SC – Square Centimeter • SF – Square Foot • SH – Sheet • SI – Square Inch • SM – Square Meter • SP – Self Package • ST – Set • SY – Square Yard • SZ – Syringe • T3 – Thousand Pieces • TB – Tube • TH – Thousands • TN – Tonne • TS – Thousands • TY – Tray • U2 – Tablet • UM – Million • UN – Unit • US – Dosage Form • V2 – Pouch • VI – Vial • WK – Week • YD – Yard • YR – Years	LB
		G3103	0...1	1/10	Total weight of ordered product.	111
		G3104	0...1	2/2	Unit of measure for total weight. **Valid values:** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – Bottle • BX – Box • C3 – Centiliter • CA – Case • CC – Cubic Centimeter • CF – Cubic Feet • CG – Card Blister • CH – Container • CI – Cubic Inches • CL – Cylinder • CM – Centimeter • CN – Can • CP – Crate • CQ – Cartridge • CR – Cubic Meters • CT – Carton • DA – Day • DI – Dispenser • DK – Kilometers • DL – Deciliter • DM – Decimeter • DQ – Cubic decimeters • DR – Drum • DS – Display • DZ – Dozen • EA – Each • FO – US Fluid Ounce • FT – Foot • GA – US Gallon • GL – Gram/Liter • GR – Gram • GS – Gross • H4 – Hectoliter • HF – Hundred Feet • HR – Hours • IN – Inch • K6 – Kiloliters • KG – Kilogram • KT – Kit • LB – US Pound • LF – Linear Foot • LO – Lot (unit of procurement) • LT – Liter • LY – Linear Yard • MC – Microgram • ME – Milligram • ML – Milliliter • MM – Millimeter • MO – Months • MR – Meter • OZ – Ounce • P1 – Percent • PC – Piece • PF – Pallet • PH – Pack • PK – Package • PR – Pair • PT – Pint • QT – Quart • RL – Roll • SC – Square Centimeter • SF – Square Foot • SH – Sheet • SI – Square Inch • SM – Square Meter • SP – Self Package • ST – Set • SY – Square Yard • SZ – Syringe • T3 – Thousand Pieces • TB – Tube • TH – Thousands • TN – Tonne • TS – Thousands • TY – Tray • U2 – Tablet • UM – Million • UN – Unit • US – Dosage Form • V2 – Pouch • VI – Vial • WK – Week • YD – Yard • YR – Years	LB
		G3105	0...1	1/8	Total volume of ordered product.	6

Input Element			Occurs	Length	Description	Example
		G3106	0...1	2/2	Unit of measure for total volume of ordered product. **Valid values:** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – Bottle • BX – Box • C3 – Centiliter • CA – Case • CC – Cubic Centimeter • CF – Cubic Feet • CG – Card Blister • CH – Container • CI – Cubic Inches • CL – Cylinder • CM – Centimeter • CN – Can • CP – Crate • CQ – Cartridge • CR – Cubic Meters • CT – Carton • DA – Day • DI – Dispenser • DK – Kilometers • DL – Deciliter • DM – Decimeter • DQ – Cubic decimeters • DR – Drum • DS – Display • DZ – Dozen • EA – Each • FO – US Fluid Ounce • FT – Foot • GA – US Gallon • GL – Gram/Liter • GR – Gram • GS – Gross • H4 – Hectoliter • HF – Hundred Feet • HR – Hours • IN – Inch • K6 – Kiloliters • KG – Kilogram • KT – Kit • LB – US Pound • LF – Linear Foot • LO – Lot (unit of procurement) • LT – Liter • LY – Linear Yard • MC – Microgram • ME – Milligram • ML – Milliliter • MM – Millimeter • MO – Months • MR – Meter • OZ – Ounce • P1 – Percent • PC – Piece • PF – Pallet • PH – Pack • PK – Package • PR – Pair • PT – Pint • QT – Quart • RL – Roll • SC – Square Centimeter • SF – Square Foot • SH – Sheet • SI – Square Inch • SM – Square Meter • SP – Self Package • ST – Set • SY – Square Yard • SZ – Syringe • T3 – Thousand Pieces • TB – Tube • TH – Thousands • TN – Tonne • TS – Thousands • TY – Tray • U2 – Tablet • UM – Million • UN – Unit • US – Dosage Form • V2 – Pouch • VI – Vial • WK – Week • YD – Yard • YR – Years	CF
	G33		1...1	-	**Required.** Total invoice amount, including charges less allowances, before terms discount.	-
		G3301	1...1	1/15	**Required.** Total invoice amount.	6
SE			1...1	-	**Required.** ST ... SE transaction set trailer envelope. Child of GS group. Only one ST transaction expected.	-
	SE01		1...1	1/10	**Required.** Total count of segments in ST ... SE transaction set including ST and SE segments.	10
	SE02		1...1	4/9	**Required.** Transaction set control number.	1
GE			1...1	-	**Required.** GS ... GE functional group trailer envelope. Child of ISA interchange. Only one GS group expected.	-
	GE01		1...1	1/6	**Required.** Number of transaction sets in functional group	5
	GE02		1...1	1/9	**Required.** Functional group control number	619827
IEA			1...1	-	**Required.** ISA ... IEA interchange control trailer envelope. Only one interchange expected per transmission.	-
	IEA01		1...1	1/5	**Required.** Number of functional groups in interchange.	1
	IEA02		1...1	9/9	**Required.** Interchange control number.	0000000000619827

Example

```
ISA*00*01        *00*11        *01*7777776067344
*07*888888404358877*241020*1348*^*00401*000619827*0*P*:~
GS*GP*7777776067344*888888404358877*20241020*142000*619827*X*005010~
ST*880*0001*s23~
G01*20260620*006733288*20260620*466733288*466733288~
N9*SI*123456*sub-340B*20260402*165414~
N9*BN*DP_1111*sub-340B*20260402*16541412~
G62*11*20260402*0*1122~
NTE*INV*RANCHO DOMINGUEZ CA~
G27*M*SC*1234*SCAC*Vent setting temp to be maintained*SH~
CAD*M*SC*1234*SCAC*s34*SH*BM*123456~
G23*01*3*20260402*03*1.25*20260402*48*20260402*30*1020*1000*1030**10.5
*30 days payable in full~
G25*PB*01*Location Name~
N1*SU*SU_Name*54*3333331013655~
N2*SU_AddName*SU_Address3~
N3*SU_Address1*SU_Address2~
N4*SU_City*CA*95833*US*CA*95833*US~
G72*6*CC*58547859*1234*12.5*100*EA*20145*10.5*10.5~
G73*Credit Payment~
G17*200*EA*200.00*458569841*UK*20041415558735*PI*37942**11*EA~
G69*Desc1~
G19*11*EA~
```

```
G20*10*1*OZ******100~
N9*SI*123456*sub-340B*20260402*165414~
N9*BN*DP_1111*sub-340B*20260402*16541412~
G72*6*CC*58547859*1234*12.5*100*EA*20145*10.5*10.5~
G73*Credit Payment~
G31*2*LB*111*LB*6*CF~
G33*6~
SE*26*s123~
GE*124*619827~
IEA*126*000619827~
```

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